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Affinity Infection And Immunity Research

- Highly cited
- Bulk stock and fast shipping
- High Affinity and Specificity

COMMITTED TO LIFE SCIENCE RESEARCH

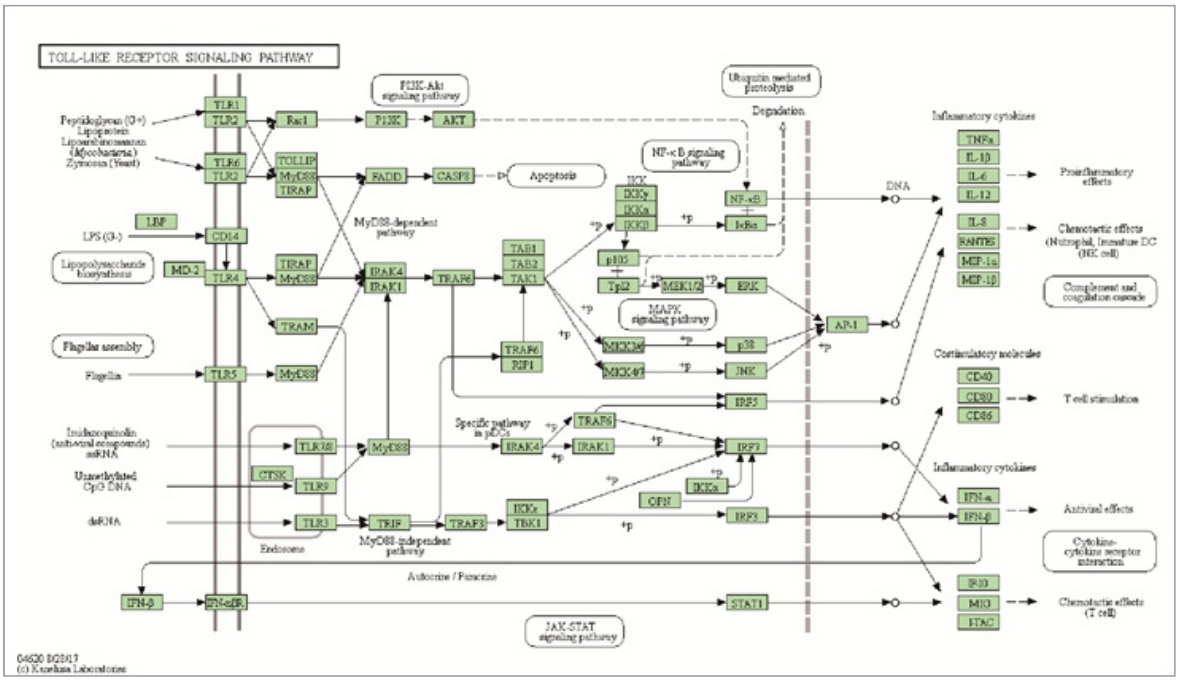
HOT RESEARCH ANTIBODIES

Cat#	Des#	Reactivity	Application	Cited
AF3262	P-pan-AKT1/2/3 (Thr308) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF3242	P-PI3K p85 (Tyr458)/p55 (Tyr199) Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦
AF3241	P-PI3K p85 alpha (Tyr607) Ab	Human, Mouse, Rat, Pig	WB,IHC,IF/ICC	♦♦♦♦
AF7246	P-PKA alpha/beta/gamma CAT (Thr198) Ab	Human, Mouse, Rat	WB,IHC	♦♦
AF3367	P-Smad2/3 (Thr8) Ab	Human, Mouse, Rat	WB,IHC	♦♦
AF3362	P-Smad3 (Ser425) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF6351	PTEN Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦
AF6352	RhoA Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦
AF6367	Smad2/3 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF6362	Smad3 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF1027	TGF beta1 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF5347	TGFBR1 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF7014	TNF alpha Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦♦
AF5131	VEGFA Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦♦
AF5315	Wnt1 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
DF6113	WNT3A Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
DF6856	WntSa Ab	Human, Mouse, Rat	WB,IHC	♦♦

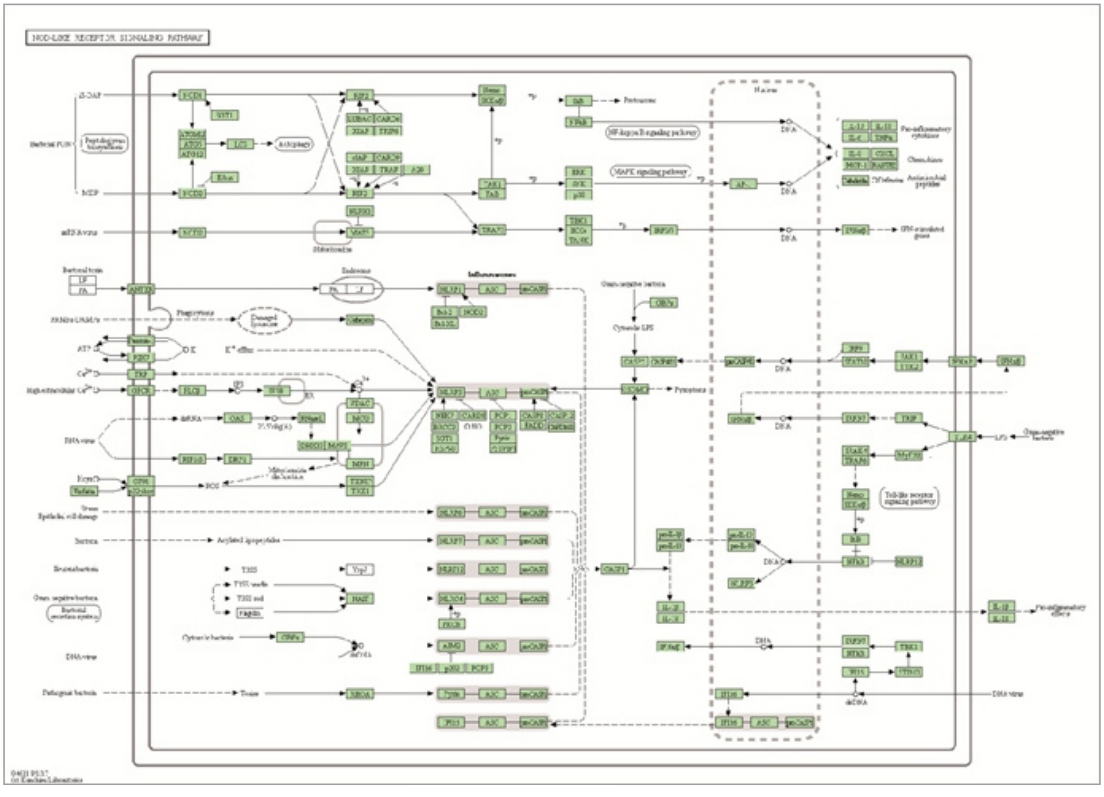
Infection And Immunity Research

Infection and Immunity is the study of the interaction between host and pathogenic microorganisms. When a pathogen infects an organism, on the one hand, the organism's cells rapidly stimulate immunoregulatory signals through the immune recognition system and then respond through intrinsic and acquired immunity to resist the invasion of external microorganisms. On the other hand, pathogenic microorganisms are able to evolve escape mechanisms to evade the surveillance of the immune system. The innate immune system plays a key role in the first line of host defense against infection through pattern recognition receptors (PRRs), which are capable of recognizing pathogen-associated molecular patterns (PAMPs) and damage-associated molecular patterns (DAMPs). There are several classes of PRRs, including Toll-like receptors (TLRs), Nod-like receptors (NLRs), and RIG-like receptors (RLRs), which recognize various microbial components and directly activate immune cells.TLRs are transmembrane receptors, whereas NLRs and RLRs are intracellular molecules. Immune cells activated by ligands for these receptors generate intracellular signaling cascades that rapidly induce the expression of various genes involved in inflammatory and immune responses. The innate immune system also influences the pathways involved in immune surveillance of cancer. Natural and synthetic agonists of TLRs, NLRs or RLRs can induce malignant cell death and recruit immune cells (e.g. DCs, CD8+ T cells and NK cells) into the tumor microenvironment and are currently being investigated as promising adjuvants for cancer immunotherapy.

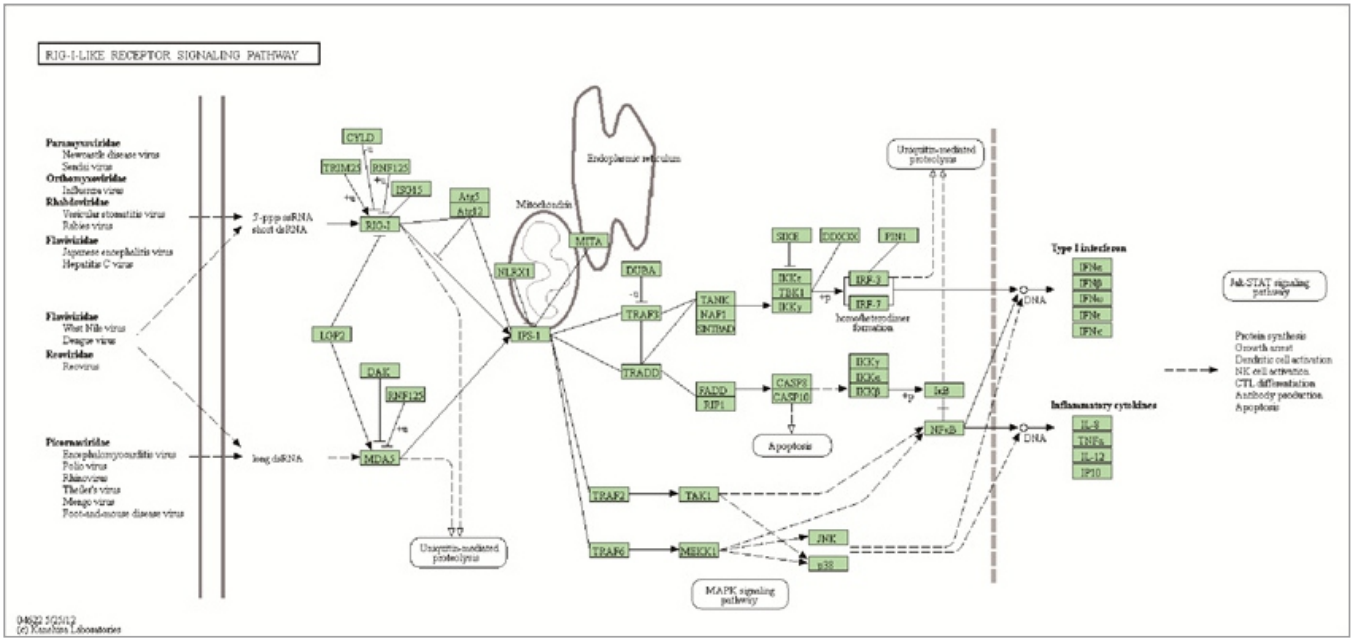
Toll-like receptors (TLRs) are membrane-bound receptors identified as homologs of Drosophila Toll. Mammalian TLRs are expressed on intrinsic immune cells, such as macrophages and dendritic cells, and respond to membrane components of Gram-positive or Gram-negative bacteria.Recognition of pathogens by TLRs causes rapid activation of innate immunity by inducing the production of proinflammatory cytokines and upregulation of co-stimulatory molecules. The TLR signaling pathways are divided into two groups:- A MyD88-dependent pathway, through NF The TLR signaling pathways are divided into two groups: A MyD88-dependent pathway, which leads to the production of proinflammatory cytokines through the rapid activation of NF-k B and MAPK, and a MyD88-independent pathway, which induces the production of IFN-B and interferon-inducible genes and the maturation of dendritic cells through the slow activation of NF-k B and MAPK.

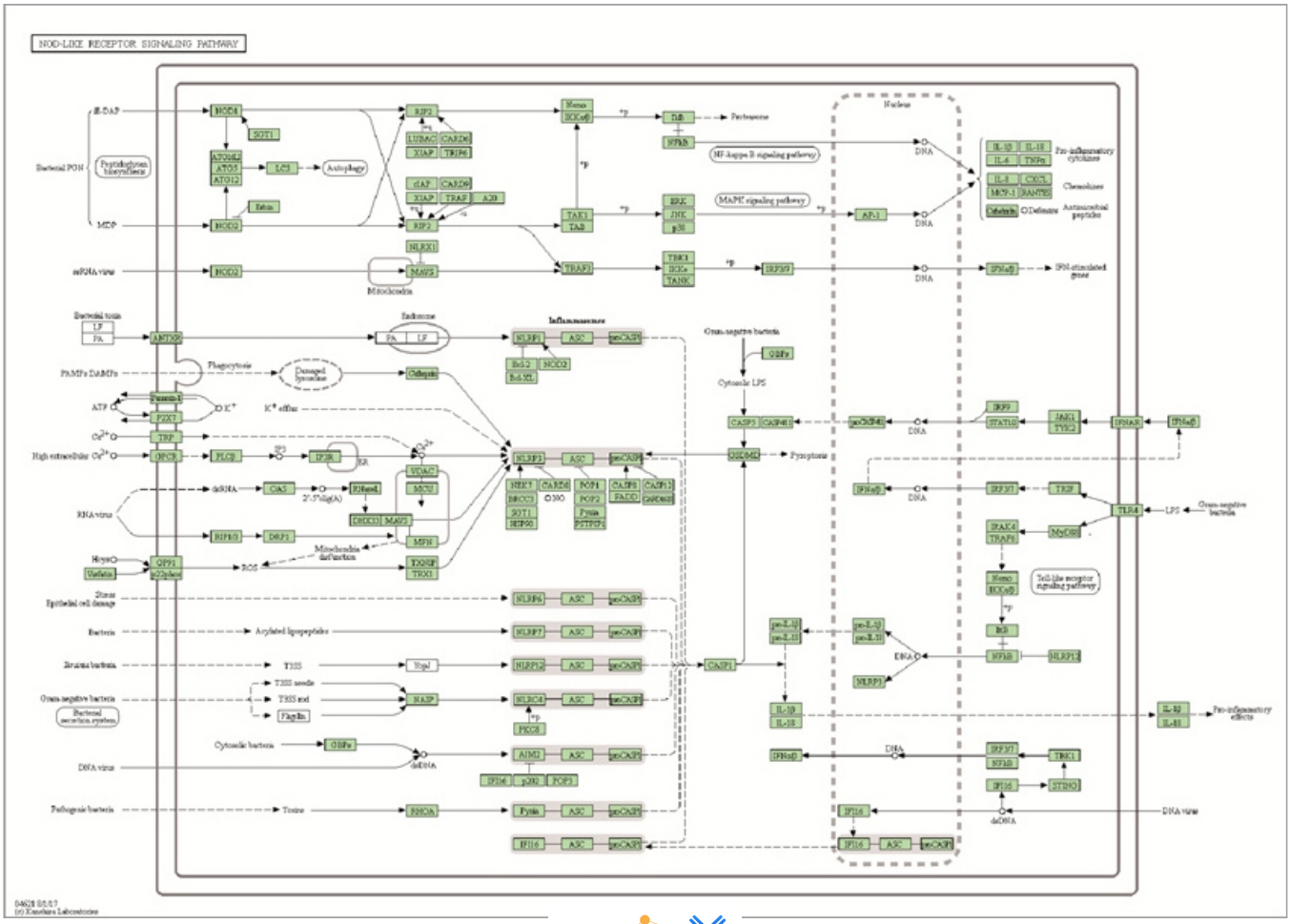


NOD-like receptors (NLRs) are a class of host pattern recognition receptors that recognize viral pathogen-associated molecular patterns.There are more than 20 members of the NLR family that play key roles in intracellular ligand recognition.NOD1 and NOD2 sense the presence of fine persimmon glycan fragments in the cytoplasm that have escaped the nucleosome and drive NF-K B and MAPK activation, producing cytokines and promoting apoptosis. On the other hand, a distinct set of NLRs induces caspase-1 activation by assembling multiprotein complex inflammatory vesicles. caspase-1 activation regulates the maturation of pro-inflammatory cytokines IL-1B, IL-18 and promotes cellular pyroptosis.



RIG-like receptors (RLRs) are a newly discovered class of pattern recognition receptors that recognize viral RNA in the cytoplasm and play an important role in antiviral innate immunity.RLR proteins, including RIG-1, MDA5, and LGP2, are expressed in both immune and non-immune cells. Upon recognition of viral nucleic acids, RLRs recruit specific intracellular junction proteins to initiate signaling pathways that lead to the synthesis of]-type interferons and other inflammatory cytokines that are important for viral clearance.

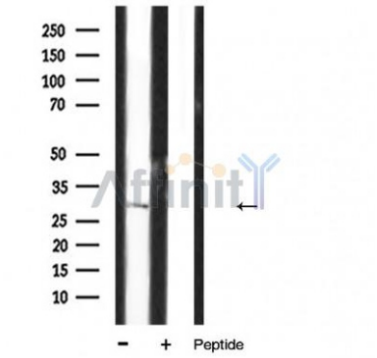




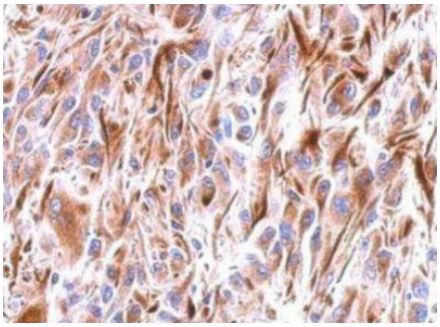
• Hot-selling antibodies recommended

IL1 beta Antibody(PubMed 205)

Catalog：AF5103
Application：WB IHC IF/ICC
Reactivity：Human, Mouse, Rat
Prediction：Horse, Rabbit



Western blot analysis of Interleukin 1β expression in HUVEC lysates. Lane2 was treated with blockging peptide.

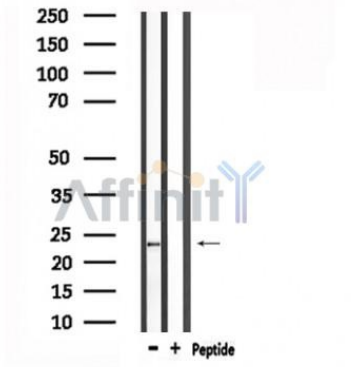


AF5103 at 1/100 staining rat endometrial tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22° C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.

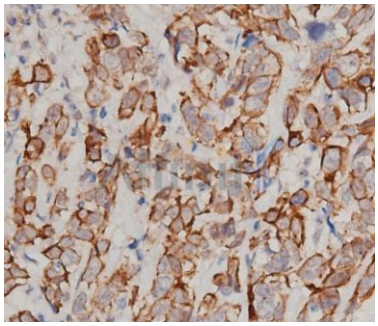
AF5103 staining murine bone marrow-derived macrophages by ICC/IF. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25℃. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37℃. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600 was used as secondary antibody.

Il6 Antibody (PubMed 150)

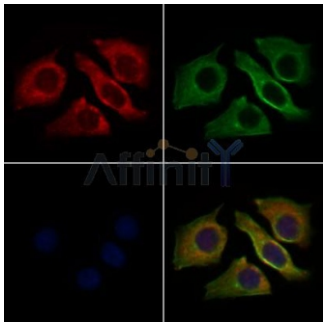
Catalog：DF6087
Application：WB, IHC, IF/ICC
Reactivity：Human, Mouse, Rat
Prediction：Bovine



Western blot analysis of extracts from rat spleen, using IL-6 Antibody.



DF6087 at 1/200 staining human breast cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22℃. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



DF6087 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25℃. Samples were then incubated with primary Ab(DF6087 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37℃. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).

• Related antibodies recommended

Cat#	Des#	Reactivity	Application	Cited
AF1017	Acetyl-NF-kappaB p65 (Lys310) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
DF6010	APG5L/ATG5 Ab	Human, Mouse, Rat	WB,IHC	♦♦
AF6139	Bcl-2 Ab	Human, Mouse, Rat, Chinese Mitten Crab	WB,IHC,IF/ICC	♦♦♦♦♦
AF5418	Caspase 1 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF6442	Caspase 8 Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦
AF5199	caspase12 Ab	Human, Rat	WB,IHC	♦♦
F13319	CD20 Ab	Human	WB,IHC,IF/ICC	♦♦
DF6594	CD3 epsilon Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF5149	CD34 Ab	Human, Mouse, Rat	WB,IF/ICC	♦♦
DF6451	CD4 Ab	Human, Mouse	WB	♦♦
DF7456	CD41 Ab	Human, Mouse, Rat	WB,IHC	♦♦
DF6360	CD55 Ab	Human, Mouse	WB,IHC,IF/ICC	♦♦
DF6557	CD59 Ab	Human	WB,IHC	♦♦
AF5126	CD8 Ab	Human, Mouse, Rat	WB,IHC	♦♦
DF6332	CD86 Ab	Human, Mouse	WB,IHC,IF/ICC	♦♦
AF0132	c-Fos Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF6090	c-Jun Ab	Human, Mouse, Rat	WB,IHC,IF/ICC,IP	♦♦
AF6153	c-Kit Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF4022	Cleaved-Caspase 1 (Ala317), p10 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF4005	Cleaved-Caspase 1 (Asp296), p20 Ab	Human, Mouse, Rat	WB,IHC	♦♦♦
AF5267	Cleaved-Caspase 8 (Asp384), p18 Ab	Human, Rat	WB,IHC,IF/ICC	♦♦
AF4006	Cleaved-IL-1 beta (Asp116) Ab	Human, Mouse, Rat, Zebrafish	WB,IHC,IF/ICC	♦♦♦
DF6417	CXCL10 Ab	Human, Mouse, Rat	WB,IHC	♦♦
DF7037	DRP1 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF0155	ERK1/2 Ab	Human, Mouse, Rat, Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Monkey, Fish	WB,IHC,IF/ICC,IP	♦♦♦♦
DF2997	FADD Ab	Human, Mouse, Rat	WB,IF/ICC	♦♦
AF5403	GRO alpha Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF4012	GSDMD Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF5187	Hsc70 Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦
AF5368	Hsp90 alpha Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF5002	IKB alpha Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF6012	IKK alpha Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF6014	IKK alpha/ beta Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
DF6143	IKK gamma Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF6009	IKK-beta Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦
AF5103	IL1 beta Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦♦
DF6127	IL17A Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
DF6252	IL18 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF5142	IL4 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
DF6087	IL6 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦♦
DF6466	IL6R Ab	Human, Mouse	WB,IHC	♦♦
DF6998	IL8 Ab	Human	WB,IHC	♦♦♦
DF6895	IRF3 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF5012	JAK1 Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦

Cat#	Des#	Reactivity	Application	Cited
AF6318	JNK1/2/3 Ab	Human, Mouse, Rat, Pig	WB,IF/ICC	♦♦♦
DF7577	MCP1 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF6385	MEK1/2 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF5195	MyD88 Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦
AF5006	NF-kB p65 Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦♦♦
DF7458	NLRP3 Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦♦
AF0227	Osteopontin Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF6456	p38 MAPK Ab	Human, Mouse, Rat, Pig	WB,IHC,IF/ICC	♦♦♦♦
AF0832	P-AKT1 (Thr308) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF6261	pan-AKT1/2/3 Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC,IP	♦♦♦♦
AF3095	P-c-Jun (Ser73) Ab	Human, Mouse, Rat, Zebrafish	WB,IHC,IF/ICC	♦♦
AF8470	P-DRP1 (Ser616) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
DF2980	P-DRP1 (Ser637) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF1015	P-ERK1/2 (Thr202/Tyr204) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦♦♦
AF1014	P-ERK1/2 (Tyr204)Ab	Human, Mouse, Rat, Bovine	WB,IHC	♦♦
AF5112	PI3 kinase P110 alpha Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF6241	PI3K p85 alpha Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF6242	PI3K p85/p55 Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦
AF2002	P-IKB alpha (Ser32/Ser36) Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦♦
AF3012	P-IKK alpha (Thr23) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF3014	P-IKK alpha/ beta (Ser176/Ser177) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF3013	P-IKK alpha/ beta (Ser180/Ser181) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF3010	P-IKK beta (Tyr199) Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦
AF2012	P-JAK1 (Tyr1022/Tyr1023)[Tyr1034/Tyr1035] Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF3318	P-JNK1/2/3(Thr183+Tyr185) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦♦
AF3320	P-JNK1/2/3 (Tyr185)Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF8035	P-MEK1/2 (Ser218+Ser222/Ser222+Ser226) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF3219	P-NF kappaB p105/p50 (Ser337) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF3387	P-NF-kB p65 (Ser276) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC,IP	♦♦
AF3389	P-NF-kB p65 (Ser311) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF2006	P-NF-kB p65 (Ser536) Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC,IP	♦♦♦♦♦
AF4001	P-p38 MAPK (Thr180/Tyr182) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC,IP	♦♦♦♦
AF3455	P-p38 MAPK (Tyr182) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
AF0016	P-pan-AKT1/2/3 (Ser473) Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦♦♦
AF3262	P-pan-AKT1/2/3 (Thr308) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF3242	P-PI3K p85 (Tyr458)/p55 (Tyr199) Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦
AF3241	P-PI3K p85 alpha (Tyr607) Ab	Human, Mouse, Rat, Pig	WB,IHC,IF/ICC	♦♦♦♦
AF3300	P-STAT1 (Tyr701) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC,IP	♦♦♦
AF8190	P-TBK1 (Ser172) Ab	Human, Mouse, Rat	WB,IHC	♦♦
AF7416	P-TMEM173/STING (Ser366) Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦
DF6304	PYCARD Ab	Human, Mouse, Rat	WB,IHC,IF/ICC	♦♦♦
AF6352	RhoA Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC	♦♦♦
AF7877	RIPK1 Ab	Human, Mouse, Rat	WB	♦♦
AF6300	STAT1 Ab	Human, Mouse, Rat, Monkey	WB,IHC,IF/ICC,IP	♦♦