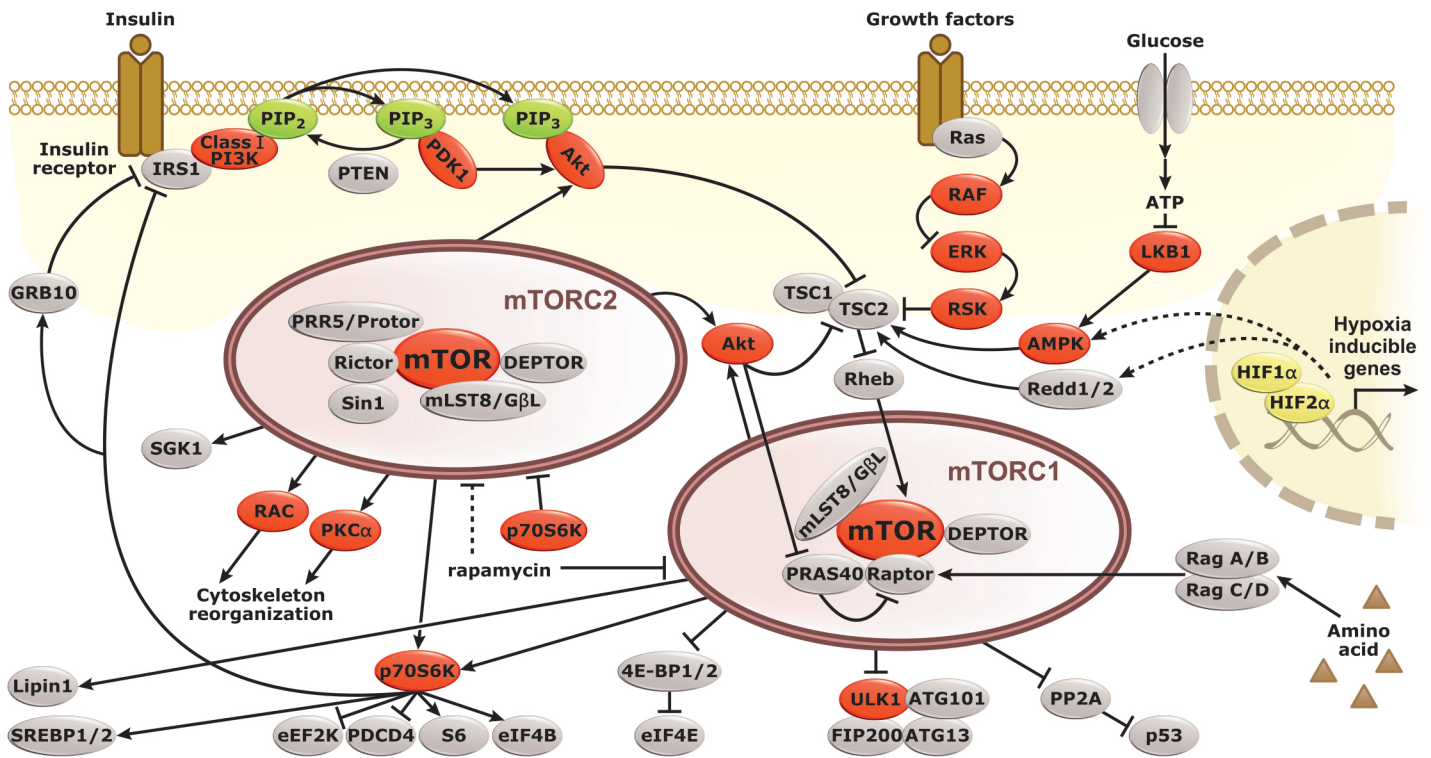


# mTOR Signaling Pathway

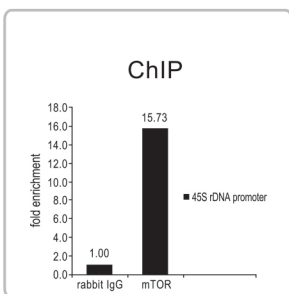
- Your Expertise
- Our Antibodies
- Accelerated Discovery

www.genetex.com

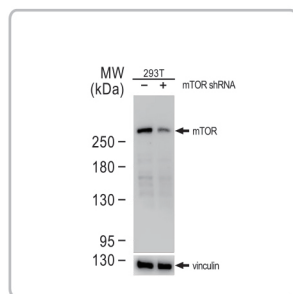


■ Kinase    
 ■ Transcription Factor    
 - - - - -> Translocate    
 - - - - -| Inhibit in certain conditions

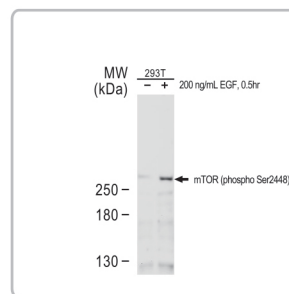
C Citation Support    
 K KO/KD Validation    
 O Orthogonal Validation



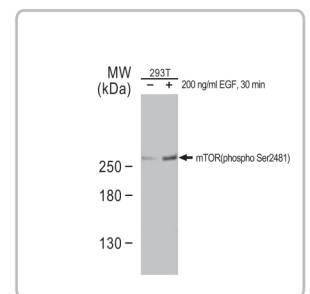
mTOR antibody [C3], C-term (GTx101557) C K



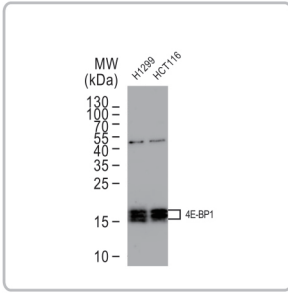
mTOR antibody [GT6611] (GTx630199) K



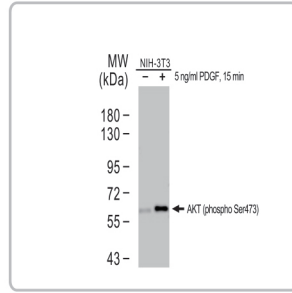
mTOR (phospho Ser2448) antibody (GTx132803) C K





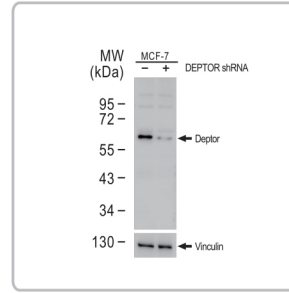
mTOR (phospho Ser2481) antibody (GTx133190) K




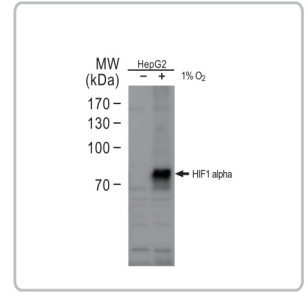
4E-BP1 antibody [N1C3]  
(GTX109162) 







AKT (phospho Ser473)  
antibody (GTX128414)  






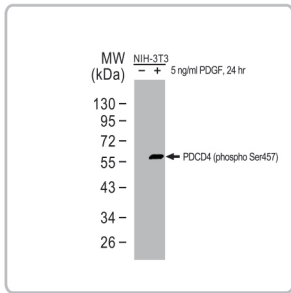
Deptor antibody [N1C3]  
(GTX116540) 



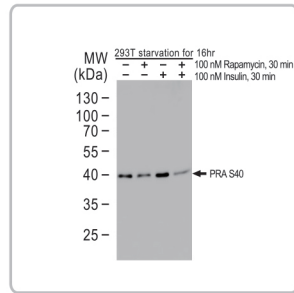
HIF1 alpha antibody  
(GTX127309)    

## Selected Products

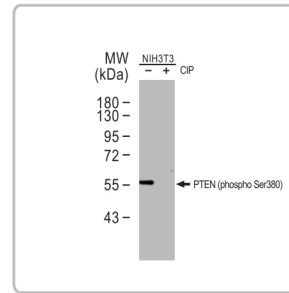
	Cat. No.	Product Name	Host & Clonality	Reactivity	Application	Validation
4EBP	GTX109162	4E-BP1 antibody [N1C3]	Rb pAb	Hu, Rat	IHC-P, IP, WB	
	GTX116315	4E-BP1 antibody [N1C3-2]	Rb pAb	Hu	ICC/IF, WB	
	GTX133181	4E-BP1 (phospho Thr37/Thr46) antibody	Rb pAb	Hu	WB	 
	GTX133184	4E-BP1 (phospho Ser65) antibody	Rb pAb	Hu	WB	 
AKT	 GTX121937	AKT antibody [N3C2], Internal	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, IHC-P, IP, WB	  
	 GTX128414	AKT (phospho Ser473) antibody	Rb pAb	Hu, Ms	IP, WB	
AMPK	 GTX60403	AMPK alpha 1 antibody [2B7]	Ms mAb	Hu, Ms, Mk, Rat	ELISA, FACS, ICC/IF, IHC-P, WB	
	 GTX103487	AMPK alpha 2 antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, IP, WB	
	GTX132674	AMPK alpha 2 antibody	Rb pAb	Hu	WB	
	GTX130429	AMPK alpha 1 (pThr183) + AMPK alpha 2 (pThr172) antibody	Rb pAb	Hu	WB	
	GTX57162	AMPK beta 1 antibody	Rb pAb	Hu	IHC-P, WB	
	GTX79141	AMPK beta 1 (phospho Ser182) antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC, IHC-P, WB	
	 GTX101661	AMPK gamma 1 antibody	Rb pAb	Hu, Ms	IP, WB	
	 GTX114178	AMPK gamma 2 antibody [C2C3], C-term	Rb pAb	Hu, Ms	IHC-P, WB	
ATG101	GTX132435	ATG101 antibody	Rb pAb	Hu	IHC-P, WB	
Deptor	GTX116540	Deptor antibody [N1C3]	Rb pAb	Hu	WB	
eEF-2K	 GTX111496	eEF-2K antibody [N1N3]	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	
eIF4B	GTX60596	eIF4B antibody [1F5]	Ms mAb	Hu, Ms	ELISA, FACS, ICC/IF, IHC, IHC-P, WB	
	GTX112612	eIF4B antibody [N1N2], N-term	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB	
eIF4E	 GTX132092	eIF4E antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB	
	 GTX50553	eIF4E antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	
	GTX60420	eIF4E antibody [5D11]	Ms mAb	Hu	ELISA, FACS, ICC/IF, IHC-P, WB	
	 GTX50268	eIF4E (phospho Ser209) antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	
ERK	 GTX59618	ERK1/2 antibody	Rb pAb	Hu, Ms, Chk, Rat, Shp	WB	
	 GTX113094	ERK2 antibody [N2C3]	Rb pAb	Hu, Ms, Pig, Rat	IHC-P, IP, WB	
FIP200	 GTX107387	FIP200 antibody [N1N2], N-term	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB	
	 GTX129093	FIP200 antibody	Rb pAb	Hu	ICC/IF, WB	
FKBP12	GTX31576	FKBP12 antibody	Rb pAb	Hu	ELISA, ICC/IF, WB	
GRB10	GTX125980	GRB10 antibody	Rb pAb	Hu	IHC-P, WB	
HIF1 alpha	 GTX127309	HIF1 alpha antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-Fr, IHC-P, IP, WB, ChIP assay	  
	 GTX628480	HIF1 alpha antibody [GT10211]	Ms mAb	Hu	ICC/IF, IHC-P, IP, WB	
HIF2 alpha	 GTX30114	HIF2 alpha antibody	Rb pAb	Hu, Ms, Rat, Fsh	ICC/IF, IHC, WB	
	 GTX632015	HIF2 alpha antibody [GT125]	Ms mAb	Hu, Ms, Rat	ICC/IF, IP, WB	
Insulin Receptor	 GTX101136	Insulin Receptor antibody	Rb pAb	Hu, Ms	IHC-P, WB	
	GTX111314	Insulin Receptor antibody	Rb pAb	Hu	IHC-P	
IRS1	GTX113213	IRS1 antibody [C2C3], C-term	Rb pAb	Hu	IHC-P, WB	
	 GTX133848	IRS1 (phospho Ser307) antibody	Rb pAb	Ms, Rat	IHC-P, WB	
LKB1	GTX130697	LKB1 antibody	Rb pAb	Hu, Ms	IHC-P, WB	
Lipin1	GTX107992	Lipin 1 antibody [C3], C-term	Rb pAb	Hu	ICC/IF, IHC-P, WB	



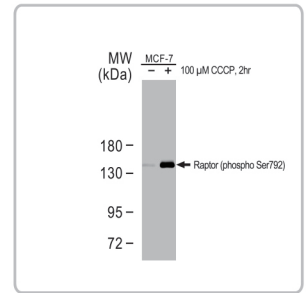
PDCD4 (phospho Ser457) antibody (GTX132798)



PRAS40 (phospho Ser183) antibody (GTX132277)



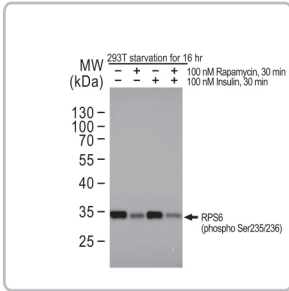
PTEN (phospho Thr366/Ser370) antibody (GTX130418)



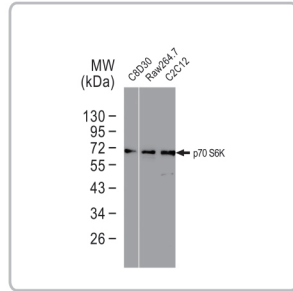
Raptor (phospho Ser792) antibody (GTX133196)

## Selected Products

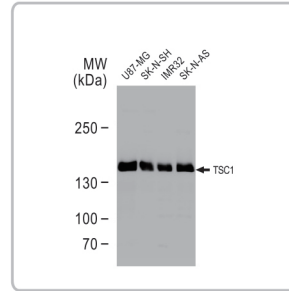
	Cat. No.	Product Name	Host & Clonality	Reactivity	Application	Validation
mLST8	GTX132580	mLST8 / GBL antibody	Rb pAb	Hu, Ms, Rat	IHC-P, WB	
mTOR	GTX101558	mTOR antibody [C1], Internal	Rb pAb	Hu, Ms, Rat	WB	
	GTX101557	mTOR antibody [C3], C-term	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, IP, WB, ChIP assay	
	GTX630198	mTOR antibody [GT649]	Ms mAb	Hu, Ms	IHC-P, WB	
	GTX630199	mTOR antibody [GT6611]	Ms mAb	Hu	ICC/IF, WB	
	GTX132803	mTOR (phospho Ser2448) antibody	Rb pAb	Hu	WB	
	GTX133190	mTOR (phospho Ser2481) antibody	Rb pAb	Hu	WB	
p53	GTX70214	p53 antibody [D01]	Ms mAb	Hu	ELISA, FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB	
	GTX100629	p53 antibody [N1], N-term	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB	
RSK	GTX111050	p90 RSK1 antibody	Rb pAb	Hu	ICC/IF, IHC-P, WB	
PDCD4	GTX104901	PDCD4 antibody	Rb pAb	Hu, Ms	ICC/IF, WB	
	GTX132798	PDCD4 (phospho Ser457) antibody	Rb pAb	Ms	WB	
PI3K	GTX100462	PI3 kinase p110 alpha antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB	
	GTX111173	PI3 kinase p110 beta antibody [N3C2], Internal	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	
	GTX104639	PI3 kinase p110 gamma antibody [C3], C-term	Rb pAb	Hu, Ms, Rat	IHC-P, WB	
	GTX133757	PI3 kinase p110 delta antibody	Rb pAb	Hu	WB	
PKC alpha	GTX111096	PKC alpha antibody [C1C3]	Rb pAb	Hu, Ms	IHC-P, WB	
	GTX111252	PKC alpha antibody	Rb pAb	Hu, Ms, Rat	IHC-P, WB	
	GTX130453	PKC alpha antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-Fr, WB	
PP2A	GTX106334	PP2A alpha antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, IP, WB	
	GTX113523	PP2A alpha antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB	
PRAS40	GTX118391	PRAS40 antibody	Rb pAb	Hu, Ms	IHC-P, WB	
	GTX132277	PRAS40 (phospho Ser183) antibody	Rb pAb	Hu	WB	
	GTX133176	PRAS40 (phospho Thr246) antibody	Rb pAb	Ms	WB	
PRRS / Protor	GTX124179	Protor 1 antibody	Rb pAb	Hu	IHC-P, WB	
	GTX124197	Protor 1 antibody	Rb pAb	Hu, Ms	WB	
PTEN	GTX101025	PTEN antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	
	GTX130418	PTEN (phospho Thr366/Ser370) antibody	Rb pAb	Hu	ICC/IF, WB	
	GTX133192	PTEN (phospho Ser380) antibody	Rb pAb	Ms	WB	
Rac	GTX100761	RAC1 antibody	Rb pAb	Hu, Ms, Rat	IHC-P, WB	
Raf	GTX107763	Raf1 antibody [N3C3]	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB	
RAGA/B	GTX55848	RagA/B antibody	Rb pAb	Hu, Ms, Mk, Rat, Bov	IHC, IHC-P, WB	
Raptor	GTX131508	Raptor antibody	Rb pAb	Hu	WB	
	GTX132303	Raptor antibody	Rb pAb	Hu, Rat	IHC-P, IP, WB	
	GTX133196	Raptor (phospho Ser792) antibody	Rb pAb	Hu	WB	
Rheb	GTX108597	Rheb antibody [N1C3]	Rb pAb	Hu	WB	
Rictor	GTX82789	RICTOR antibody [7B3]	Ms mAb	Hu, Ms, Mk	ELISA, FACS, ICC/IF, IHC, IHC-P, WB	
	GTX104617	RICTOR antibody [C3], C-term	Rb pAb	Hu	ICC/IF, IHC, IHC-P, WB	
RSK	GTX111049	RSK2 antibody	Rb pAb	Hu, Ms, Rat	WB	
	GTX105543	RSK2 antibody	Rb pAb	Hu, Ms, Rat	IHC-P, WB	
	GTX111247	RSK3 antibody	Rb pAb	Hu	WB	



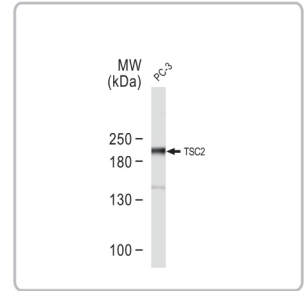
RPS6 (phospho Ser235) antibody (GTX132281)



S6K1 / p70 S6K antibody (GTX107562)



Hamartin / TSC1 antibody (GTX130062)



TSC2 antibody (GTX130511)

## Selected Products

	Cat. No.	Product Name	Host & Clonality	Reactivity	Application	Validation
Ras	GTX132480	Ras antibody	Rb pAb	Hu, Rat, Zfsh, Squirrel	IHC-P, WB	
	GTX132407	Ras (G12D Mutant Specific) antibody	Rb pAb	Hu	IHC-P, WB	
	GTX132694	Ras (G12V Mutant specific) antibody	Rb pAb	Hu	WB	
	GTX132410	Ras (G13D Mutant Specific) antibody	Rb pAb	Hu	WB	
	GTX132403	Ras (A59T Mutant Specific) antibody	Rb pAb	Hu	WB	
	GTX132405	Ras (Q61R Mutant Specific) antibody	Rb pAb	Hu	WB	
	GTX132406	Ras (Q61R Mutant Specific) antibody	Rb pAb	Hu	WB	
	GTX132416	Ras (K117N Mutant Specific) antibody	Rb pAb	Hu	WB	
RPS6	GTX113542	RPS6 antibody	Rb pAb	Hu, Ms, Zfsh	ICC/IF, IHC-P, WB, IHC-Wm	
	GTX130450	RPS6 antibody	Rb pAb	Hu	WB	
	GTX132281	RPS6 (phospho Ser235) antibody	Rb pAb	Hu, Ms	IHC-P, WB	
	GTX633811	RPS6 (phospho Ser235) antibody [GT4610]	Ms mAb	Hu	WB	
	GTX130430	RPS6 (phospho Ser235/236) antibody	Rb pAb	Hu	WB	
S6K1	GTX107562	S6K1 / p70 S6K antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	
	GTX25231	S6K1 / p70 S6K (phospho Thr229) antibody	Rb pAb	Hu, Rat	ICC/IF, WB	
	GTX32258	S6K1 / p70 S6K (phospho Ser418) antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	
	GTX32259	S6K1 / p70 S6K (phospho Thr421) antibody	Rb pAb	Hu, Ms, Rat	IHC-P, WB	
	GTX61056	S6K1 / p70 S6K (phospho Thr421/Ser424) antibody [E135]	Rb mAb	Hu, Rat, Fsh	IP, WB	
	GTX50304	S6K1 / p70 S6K (phospho Ser424) antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	
	GTX101887	S6K2 antibody	Rb pAb	Hu, Ms	ICC/IF, WB	
S6K2	GTX59589	S6K2 / p70 S6K beta (phospho Thr389) antibody	Rb pAb	Hu, Ms	WB	
	GTX107750	SGK1 antibody	Rb pAb	Ms	WB	
SGK1	GTX54726	SGK1 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	
	GTX31311	SIN1 antibody	Rb pAb	Hu	ELISA, ICC/IF, IHC-P, WB	
Sin1	GTX105537	SREBP2 antibody [N1N3]	Rb pAb	Hu	ICC/IF, WB	
SREBP1/2	GTX89366	Hamartin / TSC1 antibody	Gt pAb	Hu	IHC, IHC-P, WB	
TSC1	GTX130062	Hamartin / TSC1 antibody	Rb pAb	Hu, Ms	IHC-P, WB	
TSC2	GTX130510	TSC2 antibody	Rb pAb	Hu	WB	
	GTX85619	TSC2 (phospho Ser664) antibody	Rb pAb	Hu	ICC/IF, IHC-P	
	GTX54996	TSC2 (phospho Ser939) antibody	Rb pAb	Hu, Ms	IHC-P, WB	
	GTX78927	TSC2 (phospho Ser1254) antibody	Rb pAb	Hu	ELISA, IHC, IHC-P, WB	
ULK1	GTX132669	ULK1 antibody	Rb pAb	Hu	WB	
	GTX132660	ULK1 (phospho Ser555) antibody	Rb pAb	Hu	WB	
	GTX133540	ULK1 (phospho Ser638) antibody	Rb pAb	Hu	WB	
	GTX132654	ULK1 (phospho Ser758) antibody	Rb pAb	Hu	WB	