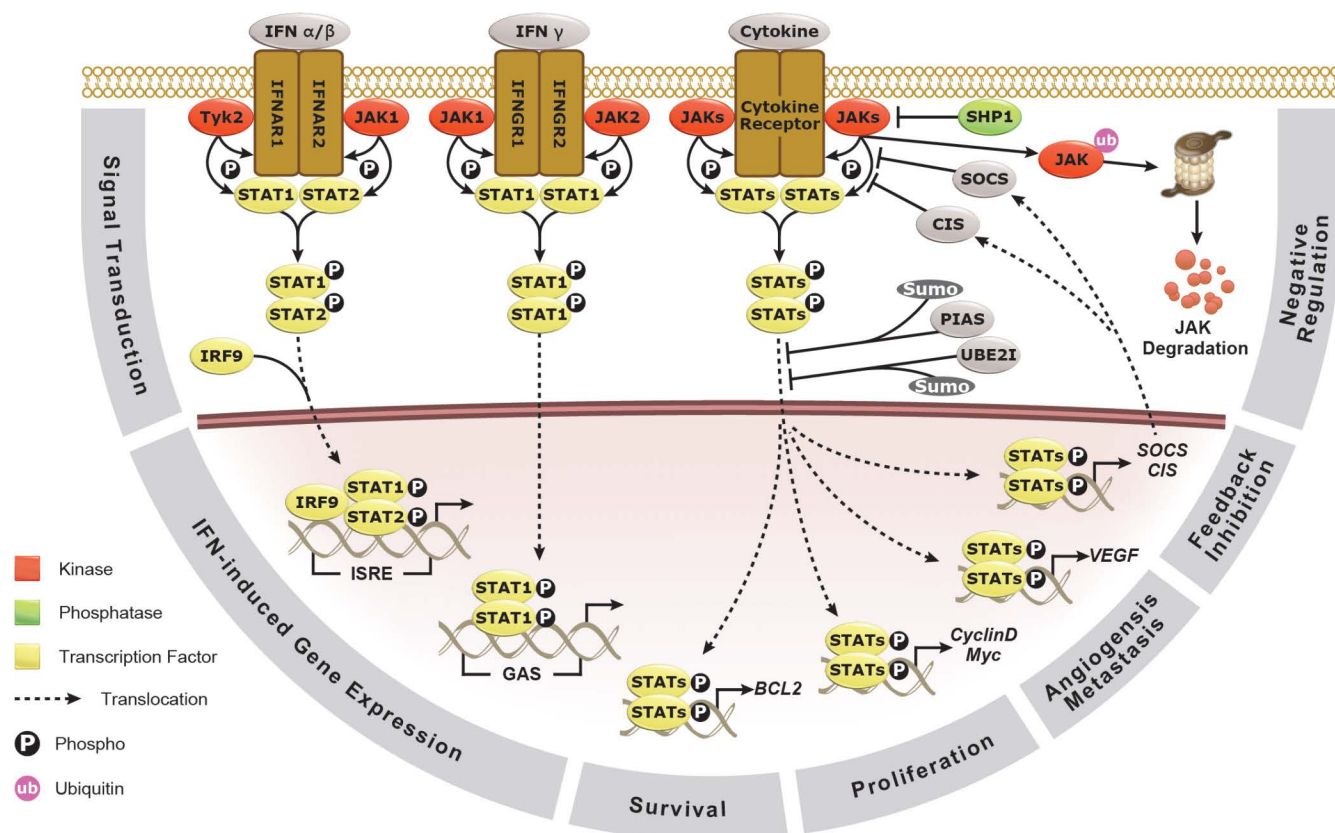


JAK-STAT Pathway

www.genetex.com

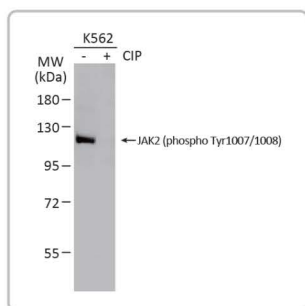


The JAK/STAT pathway is a key regulator of cell proliferation, differentiation, migration, apoptosis, and survival. It plays a critical role in many biological processes, especially in hematopoietic development and immune responses. The signaling is initiated upon the binding of cytokines to their cognate receptors. This then causes receptor dimerization, resulting in the trans-phosphorylation of the recruited Janus kinases (JAKs). The activated JAKs phosphorylate their downstream factor, signal transducer and activator of transcriptions (STATs). These p-STATs in turn translocate to the nucleus and act as dimers to regulate the expression of target genes. Dysregulation of JAK-STAT signaling leads to several immune disorders, such as hyperIgE syndrome, erythremia, and leukemia.

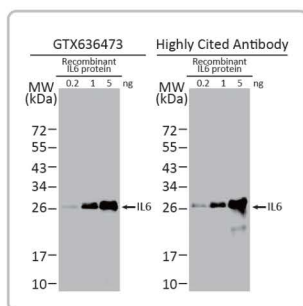
Highlighted Products

R Recombinant **C** Citation Support **K** KO/KD Validation

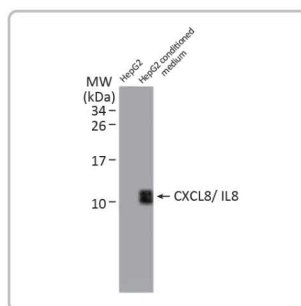
A Comparable Abs **O** Orthogonal Validation **P** Protein Overexpression



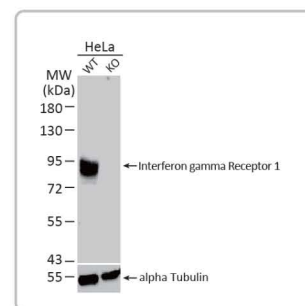
JAK2 (phospho Tyr1007/1008) antibody (GTx132784) **C** **O**



IL6 antibody [HL1168] (GTx636473) **R** **A**

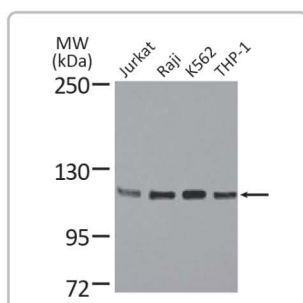


CXCL8 / IL8 antibody (GTx115959) **C** **O** **P**

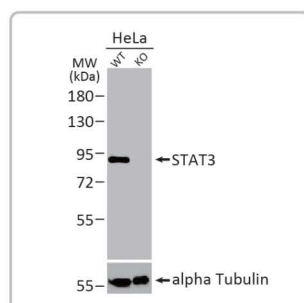


Interferon gamma Receptor 1 antibody (GTx103098) **C** **K** **O**

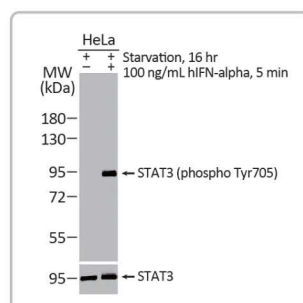
	Cat. No.	Product Name	Clonality	Reactivity	Applications
Janus Kinase (JAK)	GTX50466	JAK1 antibody	Rb pAb	Hu,Ms	WB, IHC-P
	GTX55099	JAK1 (phospho Tyr1022) antibody	Rb pAb	Hu,Rat	WB, IHC-P
	GTX25493	JAK1 (phospho Tyr1022/1023) antibody	Rb pAb	Hu,Ms,Rat,Rb,Primate	WB, ICC/IF
	GTX57670	JAK2 antibody [AT53B7]	Ms mAb	Hu	WB, ICC/IF, FACS
	GTX31943	JAK2 antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P, ELISA
	GTX79031	JAK2 (phospho Tyr221) antibody	Rb pAb	Hu	IHC-P
	GTX32203	JAK2 (phospho Tyr1007) antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P
	GTX132784	JAK2 (phospho Tyr1007/1008) antibody	Rb pAb	Hu,Ms	WB
	GTX83303	JAK3 antibody [5H2]	Ms mAb	Hu,Ms	WB, ICC/IF, FACS, ELISA
	GTX133717	JAK3 antibody	Rb pAb	Hu	WB
	GTX34020	JAK3 antibody	Rb pAb	Hu,Rat	WB, IHC-P
	GTX31515	TYK2 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, ELISA
	GTX50465	TYK2 antibody	Rb pAb	Hu	IHC-P
	GTX103938	TYK2 antibody [C1C3]	Rb pAb	Hu	WB, ICC/IF
	GTX38580	TYK2 (phospho Tyr1054) antibody	Rb pAb	Hu	WB
Signal Transducer and Activator of Transcription (STAT)	GTX01142	STAT1 antibody [SD20-75]	Rec Rb mAb	Hu	WB, FACS
	GTX64344	STAT1 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP
	GTX134371	STAT1 antibody	Rb pAb	Hu,Ms,Rat	WB
	GTX50118	STAT1 (phospho Tyr701) antibody	Rb pAb	Hu,Ms	WB, IHC-P
	GTX133944	STAT1 (phospho Tyr701) antibody	Rb pAb	Hu	WB
	GTX32266	STAT1 (phospho Ser727) antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
	GTX103117	STAT2 antibody [C2C3], C-term	Rb pAb	Hu,Ms	WB, IHC-P, IP
	GTX133945	STAT2 (phospho Tyr690) antibody	Rb pAb	Hu	WB
	GTX636400	STAT3 antibody [HL1134]	Rec Rb mAb	Hu,Ms,Rat	WB
	GTX15789	STAT3 antibody [9D8]	Ms mAb	Hu,Ms,Rat,Primate	WB, ICC/IF, IHC-P, IP, ChIP assay
	GTX108630	STAT3 antibody	Rb pAb	Hu,Zfsh	WB, FACS, IP
	GTX104616	STAT3 antibody [C3], C-term	Rb pAb	Hu,Ms,Rat,Plant	WB, ICC/IF, IHC-P
	GTX636938	STAT3 (phospho Tyr705) antibody [HL1464]	Rec Rb mAb	Hu	WB
	GTX118000	STAT3 (phospho Tyr705) antibody	Rb pAb	Hu,Ms,Zfsh	WB, ICC/IF, IHC-P, FACS
	GTX00968	STAT3 (phospho Ser727) antibody [GT1206]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-P
	GTX02841	STAT4 antibody [GT1244]	Rec Rb mAb	Hu,Ms,Rat	WB, ICC/IF
	GTX50403	STAT4 antibody	Rb pAb	Hu	WB, IHC-P
	GTX78939	STAT4 (phospho Tyr693) antibody	Rb pAb	Hu	WB, IHC-P
	GTX60652	STAT5A antibody [6D4]	Ms mAb	Hu	WB, ICC/IF, IHC-P, FACS, ELISA
	GTX113351	STAT5A antibody [C2C3], C-term	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
	GTX103750	STAT5A antibody [N3C3]	Rb pAb	Hu	FACS
	GTX13593	STAT5A (phospho Tyr694) antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P, FACS, ChIP assay
	GTX133947	STAT5A (phospho Tyr694) antibody	Rb pAb	Hu	WB
	GTX32268	STAT5A (phospho Ser780) antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
	GTX01153	STAT5B antibody [SD08-08]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-P
	GTX132113	STAT5B antibody	Rb pAb	Hu	WB, ICC/IF, IP
	GTX52330	STAT5B (phospho Ser731) antibody	Rb pAb	Hu,Ms,Rat	WB, IHC
	GTX113273	STAT6 antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P, IP
	GTX78935	STAT6 (phospho Tyr641) antibody	Rb pAb	Hu	WB, IHC-P
	GTX50125	STAT6 (phospho Thr645) antibody	Rb pAb	Hu	WB, IHC-P



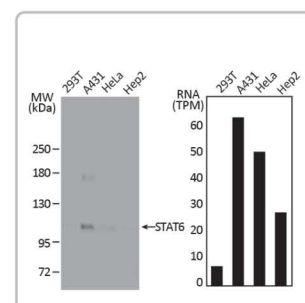
STAT2 antibody [C2C3], C-term (GTX103117) 



STAT3 antibody [HL1134] (GTX636400) 

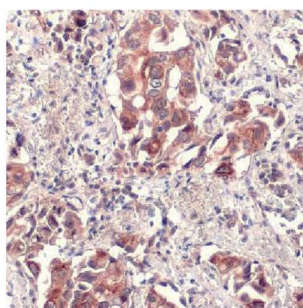


STAT3 (phospho Tyr705) antibody [HL1464] (GTX636938) 

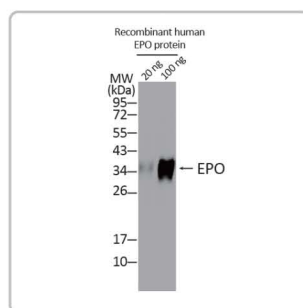


STAT6 antibody (GTX113273)   

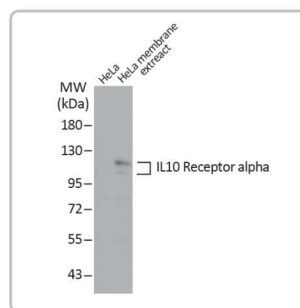
	Cat. No.	Product Name	Clonality	Reactivity	Applications
Interferon (IFN) and cytokines	 GTX15763	CXCL8 / IL8 antibody [3IL8-H10]	Ms mAb	Hu, Ms	WB, ICC/IF, ELISA, IHC
	 GTX115959	CXCL8 / IL8 antibody	Rb pAb	Hu	WB, IHC-P, FACS
	 GTX112834	EPO antibody	Rb pAb	Hu, Ms, Rat	WB, IHC-P, ELISA
	GTX100813	EPO antibody	Rb pAb	Hu, Rat	WB, IHC-P, ELISA
	GTX34754	G-CSF antibody [CSF3/900]	Ms mAb	Hu, Mk, Maca	ICC/IF, IHC-P, FACS
	GTX29751	G-CSF antibody	Rb pAb	Ms	WB, ELISA, Neutralizing/Inhibition, Sandwich ELISA
	 GTX15760	IL4 antibody [25D2]	Rat mAb	Hu	WB, ELISA, IHC, Neutralizing/Inhibition
	 GTX636473	IL6 antibody [HL1168]	Rec Rb mAb	Hu	WB, ELISA, Sandwich ELISA
	GTX636571	IL6 antibody [GT1535]	Ms mAb	Hu	ICC/IF, ELISA, Sandwich ELISA
	 GTX110527	IL6 antibody	Rb pAb	Hu, Ms, Rat	WB, ICC/IF, IHC-P, IHC-Fr
	 GTX632359	IL10 antibody [GT5111]	Ms mAb	Hu, Ms, Rat	WB, IHC-P, IHC-Fr
	 GTX130513	IL10 antibody	Rb pAb	Hu, Ms	WB, IHC-P, IHC-Fr, ELISA
	 GTX11446	IL12 antibody [1-1A4]	Ms mAb	Hu, Pig	IHC-Fr, ELISA
	GTX79487	IL12 antibody [20C2]	Rat mAb	Hu, Bacteria	WB, ELISA, Neutralizing/Inhibition, Sandwich ELISA
	 GTX11408	Interferon alpha antibody [G16] (Azide free)	Ms mAb	Hu, Pig	WB, ELISA, Functional Assay
	GTX108284	interferon alpha 2 antibody [C1C3]	Rb pAb	Hu	WB, ICC/IF, IHC-P
	GTX108423	Interferon alpha 6 antibody [C1C3]	Rb pAb	Hu	WB
	GTX105681	Interferon alpha 8 antibody [N1C3]	Rb pAb	Hu	WB, IHC-P
	GTX81187	Interferon beta antibody, N-term	Rb pAb	Hu	WB, IHC-P, FACS
	 GTX15624	Interferon gamma antibody [2G1]	Ms mAb	Hu, Ms	WB, ELISA, Sandwich ELISA
	GTX60583	Thrombopoietin antibody [1B11]	Ms mAb	Hu	WB, FACS, ELISA
IFN and cytokine receptors	 GTX109048	CD130 antibody	Rb pAb	Hu, Rat	WB, ICC/IF, IHC-P
	 GTX37704	EPO receptor antibody	Rb pAb	Hu, Rat	WB, IHC-P, IHC-Fr
	GTX32177	EPO receptor (phospho Tyr426) antibody	Rb pAb	Hu, Ms	WB
	 GTX19479	GCSF Receptor antibody [S1390]	Ms mAb	Hu	WB, ELISA
	 GTX109503	GCSF Receptor antibody [N2C1], Internal	Rb pAb	Hu	WB, ICC/IF, IHC-P
	 GTX14637	IFNAR1 antibody [MAR1-5A3]	Ms mAb	Ms	WB, Neutralizing/Inhibition
	GTX02101	IFNAR1 antibody [110]	Rb mAb	Ms	ICC/IF, FACS
	GTX32330	IFNAR1 (phospho Tyr466) antibody	Rb pAb	Hu	WB
	 GTX55295	IFNAR1 (phospho Ser535/Ser539) antibody	Rb pAb	Hu, Ms	WB
	 GTX105770	IFNAR2 antibody	Rb pAb	Hu	WB, ICC/IF
	GTX54289	IFNAR2 antibody	Rb pAb	Hu, Ms	WB, ICC/IF, IHC-P
	GTX02130	IL6 Receptor antibody [3H7D3H1]	Ms mAb	Hu	Neutralizing/Inhibition
	GTX134862	IL6 Receptor antibody	Rb pAb	Hu	WB
	 GTX102731	IL10 Receptor alpha antibody	Rb pAb	Hu, Ms	WB, IHC-P
	GTX103917	IL12 Receptor beta1 antibody [N1C2]	Rb pAb	Hu	WB
	GTX103166	IL12 Receptor beta2 antibody [N3C2], Internal	Rb pAb	Hu	WB
	GTX01442	Interferon gamma Receptor 1 antibody [062]	Rb mAb	Ms	ICC/IF, FACS
	 GTX103098	Interferon gamma Receptor 1 antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
	GTX32197	Interferon gamma Receptor 1 (phospho Tyr457) antibody	Rb pAb	Hu, Ms, Rat	WB
	 GTX64548	Interferon gamma Receptor 2 antibody	Rb pAb	Hu, Ms	WB
	 GTX81601	Interferon gamma Receptor 2 antibody, C-term	Rb pAb	Hu	WB, IHC-P, FACS
	GTX60540	TPOR antibody [1H2]	Ms mAb	Hu	WB, FACS, ELISA



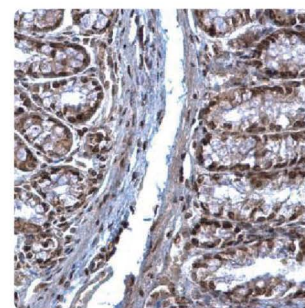
IL6 antibody
(GTX110527)   



EPO antibody
(GTX112834) 

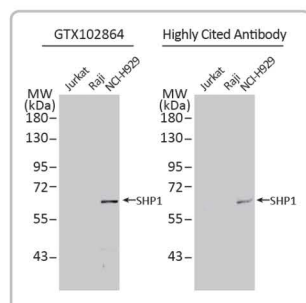


IL10 Receptor alpha antibody
(GTX102731)   

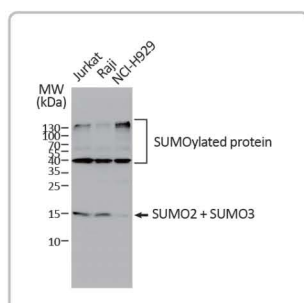


SOCS1 antibody
(GTX100657) 

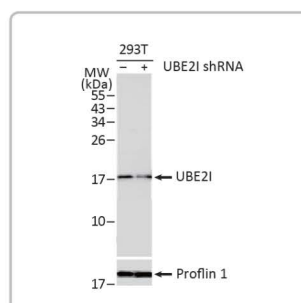
Cat. No.	Product Name	Clonality	Reactivity	Applications
GTX100216	CIS antibody [C2C3], C-term	Rb pAb	Hu,Rat	WB, ICC/IF, IHC-P
GTX100294	GRB2 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
GTX115401	IRF9 antibody	Rb pAb	Hu	WB, IHC-P
GTX31410	PIAS1 antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P, ELISA
GTX31411	PIAS2 antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P, ELISA
GTX103275	PIAS2 antibody [N1N3]	Rb pAb	Hu	WB
GTX110497	PIASy antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
GTX00954	PIM1 antibody [GT1192]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-P
GTX83892	PIM2 antibody [9A5]	Ms mAb	Hu	WB, ICC/IF, IHC-P, FACS, IP
GTX113928	PIM2 antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P, IP, IHC
GTX85641	PIM3 antibody	Rb pAb	Hu,Ms	WB, IHC-P
GTX83656	SHC1 antibody [3A1]	Ms mAb	Hu	WB, ICC/IF, IHC-P, IP
GTX113267	SHC1 antibody [N3C2], Internal	Rb pAb	Hu,Ms	WB
GTX54986	SHC1 (phospho Tyr239) antibody	Rb pAb	Hu	WB, IHC-P
GTX50325	SHC1 (phospho Tyr239) antibody	Rb pAb	Hu	WB, ICC/IF
GTX133985	SHC1 (phospho Tyr239/240) antibody	Rb pAb	Hu	WB
GTX50326	SHC1 (phospho Tyr317) antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
GTX102864	SHP1 antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P, IHC-Fr, IP
GTX50327	SHP1 (phospho Tyr536) antibody	Rb pAb	Hu	ICC/IF, IHC-P
GTX03665	SHP1 (phospho Tyr564) antibody	Rb pAb	Hu,Ms	WB
GTX100657	SOCs1 antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
GTX03238	SOCs2 antibody [GT1326]	Rec Rb mAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
GTX113049	SOCs3 antibody [N1C3]	Rb pAb	Hu,Ms	WB
GTX104721	SOCs4 antibody [C3], C-term	Rb pAb	Hu	WB, ICC/IF, IHC-P
GTX104722	SOCs5 antibody	Rb pAb	Hu,Ms,Duck	WB, IHC-P
GTX65551	SOCs6 antibody	Rb pAb	Hu,Ms	WB, IHC-P
GTX88488	SOCs7 antibody, Internal	Goat pAb	Hu	WB
GTX133774	SOS1 antibody	Rb pAb	Hu	WB, ICC/IF
GTX101723	SOS2 antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
GTX35092	SUMO1 antibody [SM1/495]	Ms mAb	Hu,Rat	WB, ICC/IF, IHC-P, FACS
GTX54705	SUMO2 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF
GTX54706	SUMO3 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
GTX02850	SUMO2 + SUMO3 antibody [GT1253]	Rec Rb mAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
GTX102190	SUMO2 + SUMO3 antibody	Rb pAb	Hu,Ms	WB
GTX129293	UBE2I antibody	Rb pAb	Hu,Ms	WB, IHC-P
GTX130355	UBE2I antibody	Rb pAb	Hu,Ms	WB, IHC-P, IP



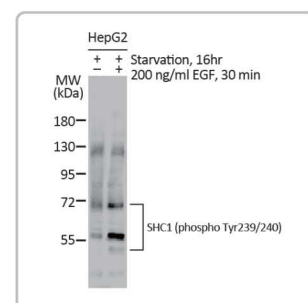
SHP1 antibody (GTX102864)



SUMO2 + SUMO3 antibody (GTX102190)



UBE2I antibody (GTX129293)



SHC1 (phospho Tyr239/240) antibody (GTX133985)

