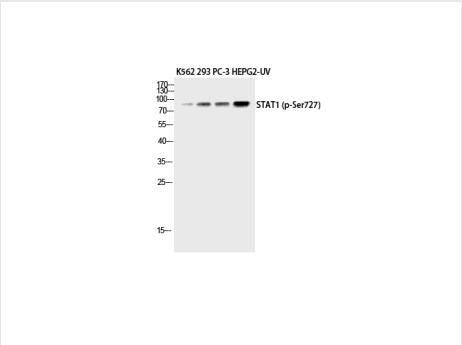
STAT1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Stat1, Polyclonal Antibody
Full Product Name	Phospho-Stat1 (S727) Polyclonal Antibody
Product Gene Name	anti-Stat1 antibody
Product Synonym Names	STAT1; Signal transducer and activator of transcription 1-alpha/beta; Transcription factor ISGF-3 components p91/p84
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen Affinity Purified
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated MW: 87 kDa
Immunogen	Synthesized peptide derived from human Stat1 around the phosphorylation site of S727.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Product Categories/Family for anti-Stat1 antibody	Phospho Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-Stat1 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-Stat1 antibody	WB: 1:500-1:2000, IHC: 1:50-1:200, ELISA: 1:5000-1:20000
Related Product Information for anti-Stat1 antibody	MBS2535359 is an antibody targeting Stat1. Also known as Phospho-Stat1 (S727) Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-Stat1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-Stat1 antibody
Western Blot analysis of K562, 293T, PC-3, HepG2-UV cells with Phospho-Stat1 (Ser727) Polyclonal Antibody at dilution of 1:1000

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Stat1. It may not necessarily be applicable to this product.

NCBI GI #	458710
NCBI GeneID	20846
NCBI Accession #	AAA19454.1
UniProt Related Accession #	P42225
NCBI Official Full Name	Stat1
NCBI Official Synonym Full Names	signal transducer and activator of transcription 1
NCBI Official Symbol	Stat1
NCBI Official Synonym Symbols	AA408197; 2010005J02Rik
UniProt Protein Name	Signal transducer and activator of transcription 1
Protein Family	Signal transducer and activator of transcription
UniProt Gene Name	Stat1
UniProt Entry Name	STAT1_MOUSE
NCBI Protein Information	signal transducer and activator of transcription 1

UniProt Comments for Stat1	STAT1: transcription factor of the STAT family. Phosphorylated and activated by receptor-associated kinases downstream of certain receptor tyrosine kinases, GPCRs, and receptors for various interleukins and interferons. Forms homo- or heterodimers that translocate into the nucleus where they regulate transcription. Two alternatively spliced isoforms have been described. Protein type: Transcription factor; DNA-binding Cellular Component: axon; cytoplasm; dendrite; nuclear chromatin; nucleolus; nucleoplasm; nucleus; perinuclear region of cytoplasm Molecular Function: CCR5 chemokine receptor binding; DNA binding; double-stranded DNA binding; enzyme binding; identical protein binding; protein binding; protein homodimerization activity; protein phosphatase 2A binding; sequence-specific DNA binding; signal transducer activity; transcription factor activity; tumor necrosis factor receptor binding Biological Process: blood circulation; caspase activation; cellular response to insulin stimulus; cytokine and chemokine mediated signaling pathway; JAK-STAT cascade; lipopolysaccharide-mediated signaling pathway; negative regulation of angiogenesis; negative regulation of endothelial cell proliferation; negative regulation of I-kappaB kinase/NF-kappaB cascade; negative regulation of viral protein levels in host cell; positive regulation of cell proliferation; positive regulation of smooth muscle cell proliferation; positive regulation of transcription from RNA polymerase II promoter; positive regulation of transcription, DNA-dependent; regulation of transcription, DNA-dependent; response to bacterium; response to cAMP; response to cytokine stimulus; response to drug; response to exogenous dsRNA; response to lipopolysaccharide; response to mechanical stimulus; response to nutrient; response to peptide hormone stimulus; signal transduction; transcription, DNA-dependent; tumor necrosis factor-mediated signaling pathway
Research Articles on Stat1	**1.** our data supports the role of STAT1 in maintaining a tumor-suppressive MG microenvironment.
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