

Rabbit STAT1 Polyclonal Antibody | anti-STAT1 antibody

STAT1 Polyclonal Antibody

CATALOG # AAA179790	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

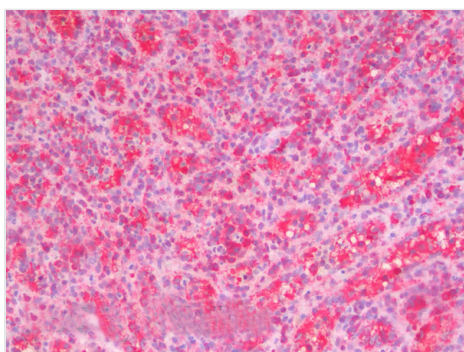
PRODUCT SYNONYMS

STAT1; Polyclonal Antibody; STAT1 Polyclonal Antibody; Signal transducer and activator of transcription 1 91kD; CANDF7; DKFZp686B04100; IMD31A; IMD31B; IMD31C; ISGF 3; ISGF-3; OTTHUMP00000163552; OTTHUMP00000165046; OTTHUMP00000165047; OTTHUMP00000205845; Signal transducer and activator of transcription 1 91kDa; Signal transducer and activator of transcription 1; 91kD; Signal transducer and activator of transcription 1-alpha/beta; STAT 1; Stat1; STAT91; Transcription factor ISGF 3 components p91 p84; Transcription factor ISGF-3 components p91/p84; anti-STAT1 antibody

PRODUCT SPECIFICATIONS

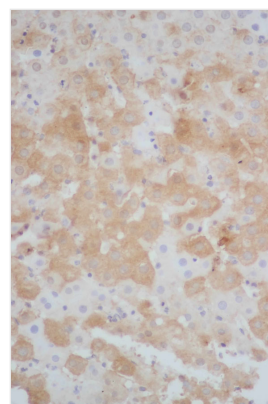
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH 7.4
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-STAT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Human STAT1 Protein expressed by E coli
Preparation and Storage	Store at -20 degree C Valid for 12 months. Avoid freeze/thaw cycles.

IMAGES



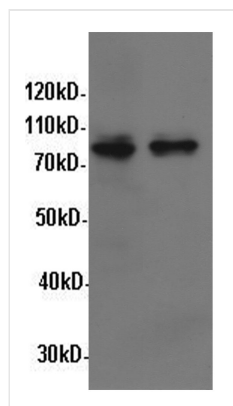
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human Spleen using STAT1 Polyclonal Antibody.

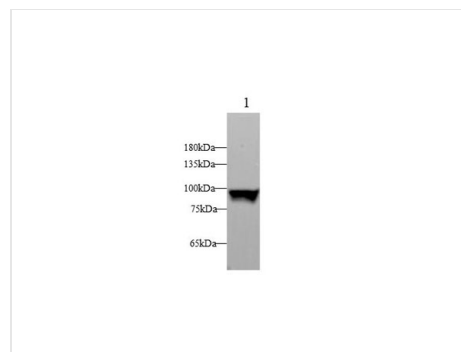


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat liver using STAT1 Polyclonal Antibody at dilution of 1:50



WB (Western Blot)
Western blot with STAT1 Polyclonal antibody at dilution of 1:1000.lane 1:Hela whole cell lysate,lane 2:A549 whole cell lysate



WB (Western Blot)
Western blot with STAT1 Polyclonal antibody at dilution of 1:1000.lane 1:Mouse lung

ADDITIONAL INFORMATION

Related Product Information for anti-STAT1 antibody	Signal transducer and activator of transcription that mediates signaling by interferons (IFNs). Following type I IFN (IFN-alpha and IFN-beta) binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize, associate with ISGF3G/IRF-9 to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state. In response to type II IFN (IFN-gamma), STAT1 is tyrosine- and serine-phosphorylated. It then forms a homodimer termed IFN-gamma-activated factor (GAF), migrates into the nucleus and binds to the IFN gamma activated sequence (GAS) to drive the expression of the target genes, inducing a cellular antiviral state.
Product Categories/Family for anti-STAT1 antibody	Polyclonal Antibodies ; Primary Antibodies ; Polyclonal Antibodies ; Cancer ; Epigenetics and Nuclear Signaling ; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	6274552
NCBI GeneID	6772
NCBI Accession #	NP_009330.1
NCBI GenBank Nucleotide #	NM_007315.3
UniProt Accession #	P42224; Q53S88; Q53XW4; Q68D00; Q9UDL5; A8K989; B2RCA0; D2KFR8; D3DPI7
Molecular Weight	87,335 Da
NCBI Official Full Name	signal transducer and activator of transcription 1-alpha/beta isoform alpha
NCBI Official Synonym Full Names	signal transducer and activator of transcription 1, 91kDa
NCBI Official Symbol	STAT1
NCBI Official Synonym Symbols	CANDF7; ISGF-3; STAT91
NCBI Protein Information	signal transducer and activator of transcription 1-alpha/beta; transcription factor ISGF-3 components p91/p84; signal transducer and activator of transcription-1
UniProt Protein Name	Signal transducer and activator of transcription 1-alpha/beta
UniProt Gene Name	STAT1
UniProt Entry Name	STAT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

