

Mouse anti-Human STAT1 Monoclonal Antibody | anti-STAT1 antibody

STAT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290499	Mouse	Human	Immunoprecipitation, Western Blot

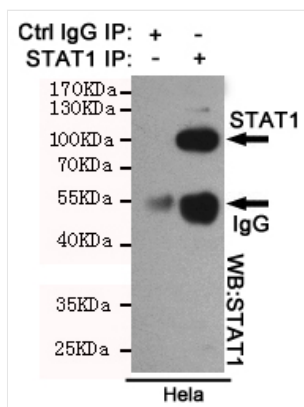
PRODUCT SYNONYMS

STAT1; Monoclonal Antibody; STAT1 Antibody; Purified Mouse Monoclonal Antibody (Mab); Signal transducer and activator of transcription 1 91kD; DKFZp686B04100; ISGF 3; ISGF-3; OTTHUMP00000163552; OTTHUMP00000165046; OTTHUMP00000165047; OTTHUMP00000205845; Signal transducer and activator of transcription 1 91kDa; Signal transducer and activator of transcription 1 alpha/beta; Signal transducer and activator of transcription 1; 91kD; Signal transducer and activator of transcription 1-alpha/beta; Signal Transducer and Activator of Transcription 1; STAT 1; STAT 91; Stat1; STAT1_HUMAN; STAT91; Transcription factor ISGF 3 components p91 p84; Transcription factor ISGF-3 components p91/p84.; anti-STAT1 antibody

PRODUCT SPECIFICATIONS

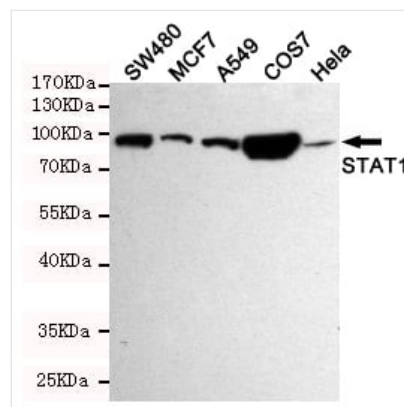
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide,0.1mg/mlBSA and 50% glycerol.
Sequence Length	750
Applicable Applications for anti-STAT1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of HeLa cell lysates using STAT1 mouse mAb.



WB (Western Blot)

Western blot detection of STAT1 in HeLa, MCF7, COS7, SW480 and A549 cell lysates using STAT1 mouse mAb (1:1000 diluted). Predicted band size: 91KDa. Observed band size: 91KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT1 antibody	Signal transducer and transcription activator that mediates cellular responses to interferons (IFNs), cytokine KITLG/SCF and other cytokines and other growth factors. Following type I IFN (IFN-alpha and IFN-beta) binding to cell surface receptors, signaling via protein kinases leads to activation of Jak kinases (TYK2 and JAK1) and to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize and 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 IFN- stimulated genes (ISG), 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. Becomes activated in response to KITLG/SCF and KIT signaling. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4.
Product Categories/Family for anti-STAT1 antibody	Cancer ; Cardiovascular ; Metabolism ; Microbiology ; Neuroscience ; Signal Transduction
References	Schindler C.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:7836-7839(1992). Kristensen I.,et al.Submitted (NOV-2009) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004). Bechtel S.,et al.BMC Genomics 8:399-399(2007). Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

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	87335
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
NCBI Official Symbol	STAT1
NCBI Official Synonym Symbols	CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91
NCBI Protein Information	signal transducer and activator of transcription 1-alpha/beta
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/stat1-antibody-immunoprecipitation-western-blot-elisa/290499>