

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

STAT1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282740	Rabbit	Human	Chromatin Immunoprecipitation, Immunoprecipitation, ELISA, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

STAT1; Monoclonal Antibody; STAT1 Rabbit mAb; CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91; anti-STAT1 antibody

PRODUCT SPECIFICATIONS

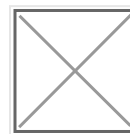
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MSQWYELQQL DSKFLEQVHQ LYDDSFPM EI RQYLAQWLEK QDWEHAANDV SFATIRFHDL LSQLDDQYSR FSLENNFLLQ HNIRKSKRNL QDNFQEDPIQ
Applicable Applications for anti-STAT1 antibody	ChIP (Chromatin immunoprecipitation), ELISA, IP (Immunoprecipitation), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human STAT1 (P42224).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 600 ug extracts of HeLa cells using 3 ug STAT1 antibody (AAA282740). Western blot was performed from the immunoprecipitate using STAT1 antibody (AAA282740) at a dilution of 1:1000.



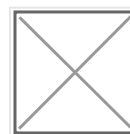
ChIP (Chromatin Immunoprecipitation)

Chromatin immunoprecipitation was performed with 35 ug of cross-linked chromatin from HeLa cells treated by TNF- α (30ng/ml, 1h) using 5 ug of STAT1 Rabbit mAb (AAA282740). DNA libraries were prepared using Scale ssDNA-seq Lib Prep Kit for Illumina V2 (RK20228). The ChIP sequencing results indicate the enrichment pattern of STAT1 in the representative genomic region surrounding TAP1 gene.



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WB (Western Blot)

Western blot analysis of various lysates using STAT1 Rabbit mAb (AAA282740) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT1 antibody	The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. The protein encoded by this gene can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. The protein plays an important role in immune responses to viral, fungal and mycobacterial pathogens. Mutations in this gene are associated with Immunodeficiency 31B, 31A, and 31C.
Product Categories/Family for anti-STAT1 antibody	Epigenetics Nuclear Signaling; Transcription Factors; Protein phosphorylation; Cancer; Signal Transduction; ErbB-HER Signaling Pathway; MAPK-Erk Signaling Pathway; Cell Biology Developmental Biology; Apoptosis; Inhibition of Apoptosis; Immunology Inflamm

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	Calculated MW: 87kDa Observed MW: 87kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/stat1-antibody-chromatin-immunoprecipitation-immunoprecipitation-western-blot-elisa/282740>