

Rabbit STAT1 Polyclonal Antibody | anti-STAT1 antibody

STAT1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198410	Rabbit	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep	Immunohistochemistry, Western Blot

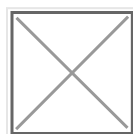
PRODUCT SYNONYMS

STAT1; Polyclonal Antibody; STAT1 antibody - C-terminal region; anti-STAT1 antibody

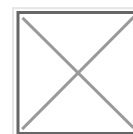
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: DG PKGTGYIKTE LISVSEVHPS RLQTTDNLPP MSPEEFDEVS RIVGSVEF
Sequence Length	750
Applicable Applications for anti-STAT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Goat: 82%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human STAT1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

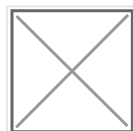
IMAGES



WB (Western Blot)

WB Suggested Anti-STAT1 Antibody Titration: 0.0625ug/ml
Positive Control: Recombinant STAT1 protein


WB (Western Blot)

Host: Mouse
Target Name: STAT1
Sample Tissue: Mouse Kidney
Antibody Dilution: 1ug/ml


IHC (Immunohistochemistry)

Rabbit Anti-STAT1 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Liver
Tissue Observed Staining: Cytoplasm in hepatocytes
Primary Antibody Concentration: 1:1000
Other Working Concentrations: N/A
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-STAT1 antibody	This is a rabbit polyclonal antibody against STAT1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: STAT1 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. This protein 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. Western blots using four different antibodies against three unique regions of this protein target confirm the same apparent molecular weight in our tests. 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. This protein 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. Two alternatively spliced transcript variants encoding distinct isoforms have been described.
Product Categories/Family for anti-STAT1 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Cell Cycle Proteins; Lymphocyte Signaling; Transcription Regulation; Chromatin & Nuclear Signaling; Signal Transduction; Microbiology; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	6274552
NCBI GeneID	6772
NCBI Accession #	NP_009330
NCBI GenBank Nucleotide #	NM_007315
UniProt Accession #	P42224
Molecular Weight	87kDa
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/polyclonal/stat1-antibody-immunohistochemistry-western-blot-elisa/198410>