

Rabbit STAT1 (pY701) Antibody | anti-STAT1 (pY701) antibody

Rabbit anti Phospho- STAT1 (pTyr 701)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71403	Rabbit	Human, Rat, Mouse	Immunohistochemistry, Western Blot, ELISA

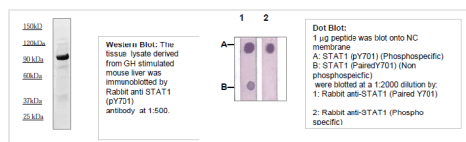
PRODUCT SYNONYMS

STAT1 (pY701); Rabbit anti Phospho- STAT1 (pTyr 701); Rabbit anti-Phospho-STAT1 (pY701); Signal transducer and activator of transcription 1 (STAT1); anti-STAT1 (pY701) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Specificity	This antibody recognizes STAT1 (pY701) with a phosphorylated sites of Tyr701. It does not cross-react with non-phosphospecific peptide.
Purity/Purification	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-STAT1 (pY701) antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide surrounding to the epitope -TGYIK-- with phosphorylation sites at Tyr701 of STAT1 protein from human, mouse and rat origins.
Positive Control	GH stimulated mouse liver
Cellular Location	Nuclear
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-STAT1 (pY701) antibody	STAT proteins (Signal transducer and activator of transcription) belong to a family of cytoplasmic transcription factors that can be phosphorylated by a ligand binding to its cell surface receptor. The phosphorylation of STAT1 at Tyr701 induces STAT1 dimerization, nuclear translocation and DNA binding. STAT 1 is activated by a number of different ligands, including IFN, EGF, PDGF and IL6. Tyrosine 701 phosphorylation impairment results in loss of STAT 1 functions.
References	Tong R Wu, et al. SHP-2 Is a Dual-specificity Phosphatase Involved in Stat1 Dephosphorylation at Both Tyrosine and Serine Residues in Nuclei, J. Biol. Chem., Vol. 277, Issue 49, 47572-47580, December 6, 2002

NCBI AND UNIPROT INFORMATION

NCBI GI #	147904732
NCBI GeneID	398324
NCBI Accession #	NP_001082256.1
NCBI GenBank Nucleotide #	NM_001088787.1
Molecular Weight	91 kDa
NCBI Official Full Name	signal transducer and activator of transcription 1, 91kDa
NCBI Official Synonym Full Names	signal transducer and activator of transcription 1, 91kDa
NCBI Official Symbol	stat1
NCBI Official Synonym Symbols	XStat1
NCBI Protein Information	signal transducer and activator of transcription 1, 91kDa

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/rabbit-human-mouse-rat-antibody/stat1-py701/71403>