

Rabbit STAT4 Polyclonal Antibody | anti-STAT4 antibody

Phospho-STAT4 (Tyr693) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321731	Rabbit	Human, Mouse, Rat	ELISA, Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

STAT4; Polyclonal Antibody; Phospho-STAT4 (Tyr693) Antibody; Signal transducer and activator of transcription 4; SLEB11; STAT4_HUMAN; anti-STAT4 antibody

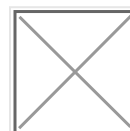
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-STAT4 (Tyr693) antibody detects endogenous levels of STAT4 only when phosphorylated at Tyrosine 693
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	748
Applicable Applications for anti-STAT4 antibody	ELISA, IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human STAT4 around the phosphorylation site of Tyrosine 693
Subcellular Location	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.
Predicted Cross Reactivity	Pig, Horse, Rabbit, Chicken
Similarity	Pig (100%), Horse (100%), Rabbit (100%), Chicken (89%)
Conjugation	Unconjugated
Epitope	Phospho Tyr693
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of Phospho-STAT4 (Tyr693) expression in Mouse heart tissue lysate


WB (Western Blot)

Western blot analysis of STAT4 phosphorylation expression in IL-4 treated HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA321731 at 1/200 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA321731 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT4 antibody

Description: The protein encoded by this gene is a member of the STAT family of transcription factors. 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. Function: Carries out a dual signal transduction and activation of transcription. Involved in IL12 signaling. Subunit Structure: Forms a homodimer or a heterodimer with a related family member. Interacts with ARL2BP (By similarity). The SH2 domain interacts, in vitro, with IL12RB2 via a short cytoplasmic domain. Post-translational Modifications: Tyrosine phosphorylated. Serine phosphorylation is also required for maximal transcriptional activity (By similarity). Similarity: Belongs to the transcription factor STAT family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	345110660
NCBI GeneID	6775
NCBI Accession #	NP_001230764.1
NCBI GenBank Nucleotide #	NM_001243835.1
UniProt Accession #	Q14765; Q96NZ6
Molecular Weight	Observed: 86 kDa Predicted: 86 kDa
NCBI Official Full Name	signal transducer and activator of transcription 4
NCBI Official Synonym Full Names	signal transducer and activator of transcription 4
NCBI Official Symbol	STAT4
NCBI Official Synonym Symbols	SLEB11
NCBI Protein Information	signal transducer and activator of transcription 4
UniProt Protein Name	Signal transducer and activator of transcription 4
UniProt Gene Name	STAT4

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/polyclonal/stat4-antibody-immunoprecipitation-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321731>