

Rabbit STAT4 Antibody | anti-STAT4 antibody

Rabbit anti STAT4 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71304	Rabbit	Human, Rat, Mouse, Dog	Immunohistochemistry, Western Blot, ELISA

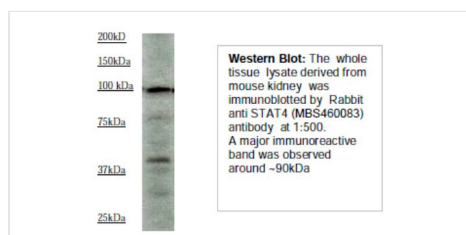
PRODUCT SYNONYMS

STAT4; Rabbit anti STAT4 Polyclonal Antibody; Signal transducer and activator of transcription 4 (STAT4); anti-STAT4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Dog
Specificity	This antibody recognizes STAT4 (pY693) with a phosphorylated sites of Tyr693. It does not cross-react with non-phosphospecific peptide.
Purity/Purification	The Rabbit IgG is purified by Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-STAT4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Preparation	A synthetic peptide surrounding to the C-terminus of STAT4 protein from human. This sequence is identical to mouse, rat, chicken, dog and bovine origins.
Positive Control	Mouse kidney
Nuclear Location	Nuclear
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-STAT4 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. Activation of STAT4 induces dimerization, nuclear translocation and DNA binding. STAT4 protein expression is restricted to the thymus, spleen and testis. Both tyrosine and serine residues on STAT4 become phosphorylated in response to IL-12 or IFN-alpha although serine phosphorylation is not required for DNA binding. STAT4 is activated in T-cells in response to the cytokine interleukin-12 (IL-12), and in NK cells by IL-2. STAT4-deficient mice display impaired IL-12 development of Th1 cells and enhanced development of Th2 cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167832560
NCBI GeneID	6775
Molecular Weight	90 kDa
NCBI Official Full Name	STAT4, partial
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/rabbit-dog-human-mouse-rat-antibody/stat4/71304>