

Rabbit STAT6 (pY641) Antibody | anti-STAT6 (pY641) antibody

Rabbit anti Phospho- STAT6 (pTyr 641)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71425	Rabbit	Human, Rat, Mouse,	Immunohistochemistry, Western Blot, ELISA

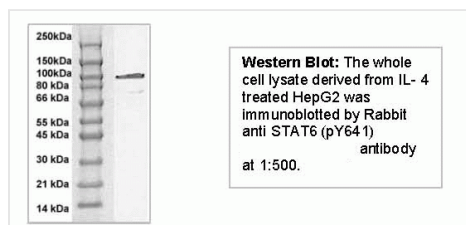
PRODUCT SYNONYMS

STAT6 (pY641); Rabbit anti Phospho- STAT6 (pTyr 641); Rabbit anti-Phospho-STAT6 (pY641); Signal transducer and activator of transcription 6 (STAT6); IL-4-STAT; anti-STAT6 (pY641) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse,
Specificity	This antibody recognizes STAT6 (pY641) with a phosphorylated sites of Tyr641. 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-STAT6 (pY641) antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide surrounding to the epitope -RGYVP-- with phosphorylation sites at Tyr641 of STAT6 protein from human, mouse and rat origins.
Positive Control	HepG2
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-STAT6 (pY641) 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 by phosphorylation of STAT6 at tyrosine 641 upon the IL-4 (possibly IL-13) ligand binding to its receptor induces dimerization, nuclear translocation and DNA binding. STAT6 is widely expressed in human tissues. It exhibits elevated expression in peripheral blood lymphocytes, colon, intestine, ovary, prostate, thymus, spleen, kidney, liver, lung, and placenta. STAT6 mediates the IL-4 signal and is essential for the proper development of adaptive immunity.
References	Zhiguang Li et al (2008). Endogenous Interleukin-4 Promotes Tumor Development by Increasing Tumor Cell Resistance to Apoptosis. Cancer Research 68, 8687-94.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23397678
NCBI GeneID	6778
NCBI Accession #	NP_003144.3
NCBI GenBank Nucleotide #	NM_003153.4
UniProt Accession #	P42226; Q5FBW5; Q71UP4; A8K316; Q56TK0; Q5FBW6; Q6LCD8; Q9BQD2
Molecular Weight	95 kDa
NCBI Official Full Name	signal transducer and activator of transcription 6 isoform 1
NCBI Official Synonym Full Names	signal transducer and activator of transcription 6, interleukin-4 induced
NCBI Official Symbol	STAT6
NCBI Official Synonym Symbols	STAT6B; STAT6C; D12S1644; IL-4-STAT
NCBI Protein Information	signal transducer and activator of transcription 6; STAT, interleukin4-induced; transcription factor IL-4 STAT
UniProt Protein Name	Signal transducer and activator of transcription 6
UniProt Gene Name	STAT6
UniProt Entry Name	STAT6_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/rabbit-human-mouse-rat-antibody/stat6-py641/71425>