

Rabbit STAT5b Polyclonal Antibody | anti-STAT5B antibody

STAT5b Antibody (C-term)

CATALOG # AAA284696	HOST Rabbit	REACTIVITY Human, mouse, rat (Predicted Reactivity: Bovine, Pig)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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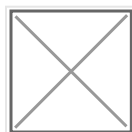
PRODUCT SYNONYMS

STAT5b; Polyclonal Antibody; STAT5b Antibody (C-term); Signal transducer and activator of transcription 5B; STAT5B; anti-STAT5B antibody

PRODUCT SPECIFICATIONS

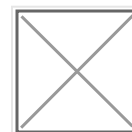
Host	Rabbit
Reactivity	Human, mouse, rat (Predicted Reactivity: Bovine, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This STAT5b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 760-787 amino acids from the C-terminal region of human STAT5b.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	760-787
Sequence Length	787
Applicable Applications for anti-STAT5B antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

STAT5b Antibody western blot analysis in HL-60, MCF-7, mouse NIH/3T3 cell line, rat liver and spleen lysates (35ug/lane). This demonstrates the STAT5b antibody detected the STAT5b protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-STAT5B antibody	STAT5b 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. This protein mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APLL). The dysregulation of the signaling pathways mediated by this protein may be the cause of the APLL.
Product Categories/Family for anti-STAT5B antibody	Crown Antibodies; Cancer; Cell Biology; Neuroscience
References	Xi, S., et al., Cancer Res. 63(20):6763-6771 (2003). Uddin, S., et al., Biochem. Biophys. Res. Commun. 308(2):325-330 (2003). Zhang, X., et al., J. Allergy Clin. Immunol. 112(1):93-101 (2003). Yamashita, H., et al., Oncogene 22(11):1638-1652 (2003). Kloth, M.T., et al., J. Biol. Chem. 278(3):1671-1679 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618344
NCBI GeneID	6777
NCBI Accession #	NP_036580.2
NCBI GenBank Nucleotide #	NM_012448.3
UniProt Accession #	P51692; Q8WWS8
Molecular Weight	89866
NCBI Official Full Name	signal transducer and activator of transcription 5B
NCBI Official Synonym Full Names	signal transducer and activator of transcription 5B
NCBI Official Symbol	STAT5B
NCBI Official Synonym Symbols	STAT5
NCBI Protein Information	signal transducer and activator of transcription 5B
UniProt Protein Name	Signal transducer and activator of transcription 5B
UniProt Gene Name	STAT5B
UniProt Entry Name	STA5B_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/polyclonal/stat5b-antibody-immunohistochemistry-western-blot-elisa/284696>