

Rabbit STAT5B Polyclonal Antibody | anti-STAT5B antibody

STAT5B antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198425	Rabbit	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish	Western Blot, Immunohistochemistry

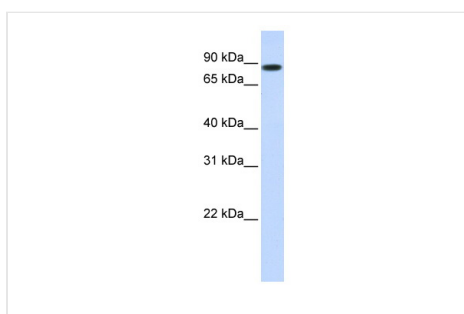
PRODUCT SYNONYMS

STAT5B; Polyclonal Antibody; STAT5B antibody - N-terminal region; anti-STAT5B antibody

PRODUCT SPECIFICATIONS

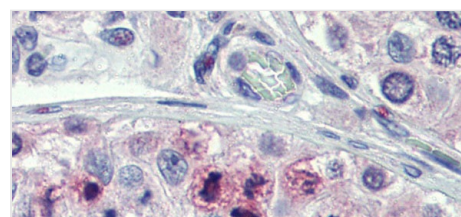
Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AV WIQAQQLQGE ALHQMQUALYG QHFPIEVRHY LSQWIESQAW DSVLDNP
Sequence Length	787
Applicable Applications for anti-STAT5B antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 100%; Goat: 86%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 86%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human STAT5B
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



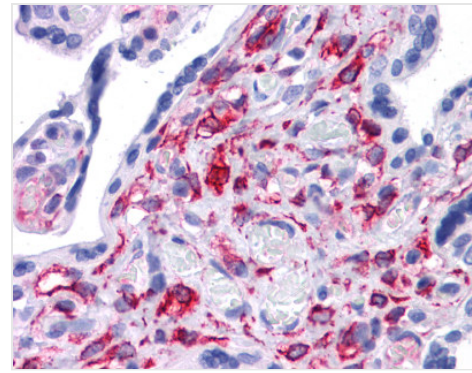
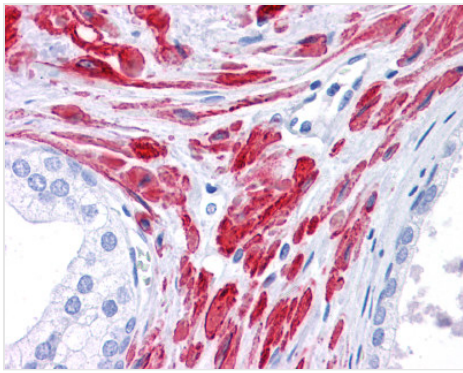
WB (Western Blot)

WB Suggested Anti-STAT5B Antibody Titration: 1 ug/ml
Positive Control: 293T cells lysate
There is BioGPS gene expression data showing that STAT5B is expressed in HEK293T



IHC (Immunohistochemistry)

Rabbit Anti-STAT5B Antibody
Paraffin Embedded Tissue: Human Testis
Antibody Concentration: 5 ug/ml



IHC (Immunohistochemistry)

Sample Type: Human prostate
Anti-STAT5B antibody IHC staining of human prostate.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

IHC (Immunohistochemistry)

Sample Type: Human placenta
Anti-STAT5B antibody IHC staining of human placenta.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT5B antibody

This is a rabbit polyclonal antibody against STAT5B. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: The protein 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. The dysregulation of the signaling pathways mediated by this protein may be the cause of the APLL. 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Product Categories/Family for anti-STAT5B antibody

[Polyclonal](#); [Signal Proteins](#); [Lymphocyte Signaling](#); [Membrane Protein](#); [Transcription Regulation](#); [Drugs and Drug Metabolism](#); [Developmental Biology](#); [Immunohistochemistry](#); [Receptors](#); [Hypoxia](#); [Transcription Factors](#); [Cell Differentiation](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618344
NCBI GeneID	6777
NCBI Accession #	NP_036580
NCBI GenBank Nucleotide #	NM_012448
UniProt Accession #	P51692
Molecular Weight	90kDa
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-western-blot-immunohistochemistry-elisa/198425>