

Rabbit anti-Human STAT5B Monoclonal Antibody | anti-STAT5B antibody

[KO Validated] STAT5B Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282742	Rabbit	Human	ELISA, Immunoprecipitation, Western Blot

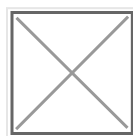
PRODUCT SYNONYMS

STAT5B; Monoclonal Antibody; [KO Validated] STAT5B Rabbit mAb; STAT5; GHISID2; 5B; anti-STAT5B antibody

PRODUCT SPECIFICATIONS

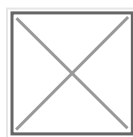
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	KQQAHDLLIN KPDGTFLLRF SDSEIGGITI AWKFDSQERM FWNLMPTTTR DFSIRSLADR LGDLNYLIYV FPDRPKDEVY SKYYTPVPCE SATAKAVDGY VKPQIKQVVP EFNASADAG GGSATYMDQA PSPAVCPQAH YNMYPQNPD5 VLDTDGDFDL EDTMDVARRV EELLGRPMDS QWIPHAQS
Applicable Applications for anti-STAT5B antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 600-787 of human STAT5B (P51692).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



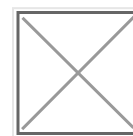
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300 ug extracts of HeLa cells using 3 ug STAT5B antibody (AAA282742). Western blot was performed from the immunoprecipitate using STAT5B antibody (AAA282742) at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and STAT5B knockout (KO) HeLa cells, using [KO Validated] STAT5B Rabbit mAb (AAA282742) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



WB (Western Blot)

Western blot analysis of various lysates using [KO Validated] STAT5B Rabbit mAb (AAA282742) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT5B antibody	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.
Product Categories/Family for anti-STAT5B antibody	Epigenetics Nuclear Signaling; Transcription Factors; Cancer; Signal Transduction; ErbB-HER Signaling Pathway ; Endocrine Metabolism; Immunology Inflammation; Jak-Stat-IL-6 Receptor Signaling Pathway; Antibodies

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	Calculated MW: 90kDa Observed MW: 90kDa
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/monoclonal/stat5b-antibody-immunoprecipitation-western-blot-elisa/282742>