

Mouse STAT5B Monoclonal Antibody | anti-STAT5B antibody

STAT5B (Signal Transducer and Activator of Transcription 5B, STAT5) (FITC)

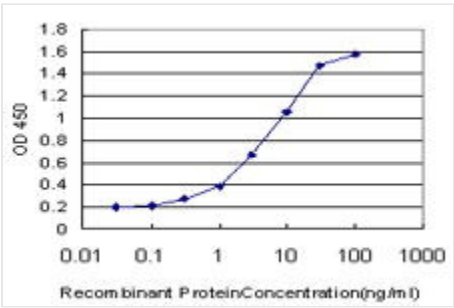
CATALOG # AAA26337	HOST Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

STAT5B; Monoclonal Antibody; STAT5B (Signal Transducer and Activator of Transcription 5B; STAT5) (FITC); Signal Transducer and Activator of Transcription 5B; STAT5; anti-STAT5B antibody

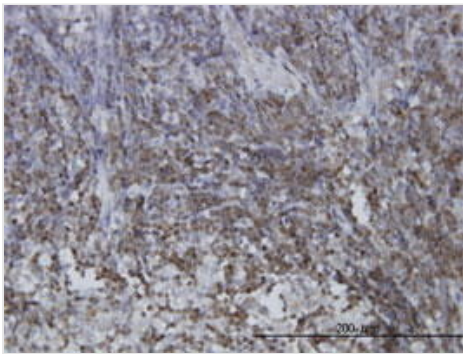
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2D1
Specificity	Recognizes STAT5B.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-STAT5B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	STAT5B (NP_036580, 678aa-787aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	VYSKYYTPVPCESATAKAVDGYVKPQIKQVVPEFVNASADAGGGSATYMDQAPSPAVCPQAHYNMYPQNPDSVLDTDGDFDLEDTMDVARRVEELLG
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and storage. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in as needed. FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



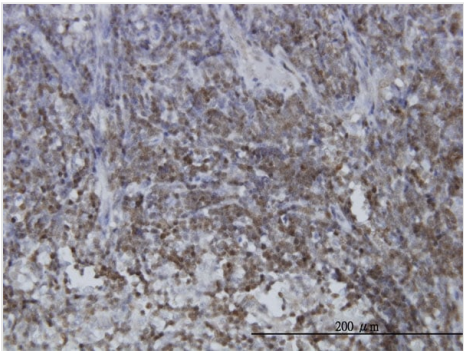
Application Data

Detection limit for recombinant GST tagged STAT5B is approximately 0.3ng/ml as a capture antibody.



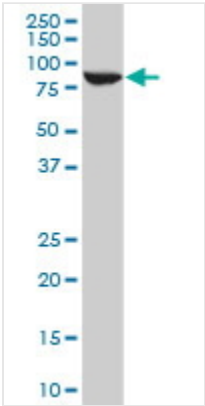
IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to STAT5B on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 1.5 ug/ml]



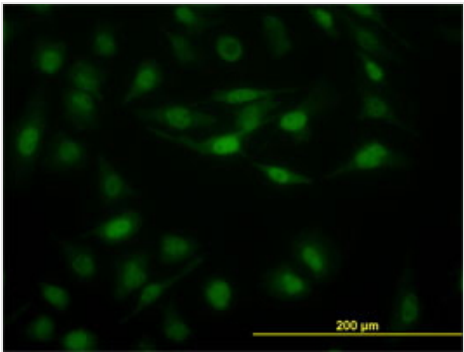
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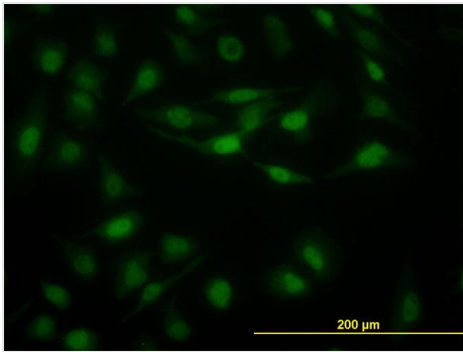
WB (Western Blot)

STAT5B monoclonal antibody (M03), clone 2D1 Western Blot analysis of STAT5B expression in HeLa (Cat # L013V1).



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to STAT5B on HeLa cell. [antibody concentration 10 ug/ml]



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to STAT5B on HeLa cell. [antibody concentration 10 ug/ml]

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. [provided by RefSeq]

Product Categories/Family for anti-STAT5B antibody

[Antibodies](#); [Transcription Factors](#); [STAT](#)

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://www.aaabiotech.com/monoclonal/stat5b-antibody-clone-2d1-immunofluorescence-immunohistochemistry-western-blot-elisa/26337>