

Mouse anti-Human JAK2 Monoclonal Antibody | anti-JAK2 antibody

JAK2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48232	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

JAK2; Monoclonal Antibody; JAK2 antibody; Janus kinase 2; Janus kinase 2 (a protein tyrosine kinase); JTK10; anti-JAK2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT53B7
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	1132
Applicable Applications for anti-JAK2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human JAK2 (1014-1132aa) purified from E. coli
Clone Note	Anti-human JAK2 mAb, clone AT53B7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human JAK2 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of JAK2 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human JAK2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human JAK2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : K-562 cell lysate Lane 2. : TF-1 cell lysate Lane 3. : 293T cell lysate Lane 4 : Jurkat cell lysate Lane 5 : THP-1 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-JAK2 antibody	JAK2 is a protein tyrosine kinase involved in a specific subset of cytokine receptor signaling pathways. It has been found to be constitutively associated with the prolactin receptor and is required for responses to gamma interferon. Mice that do not express an active protein for this gene exhibit embryonic lethality associated with the absence of definitive erythropoiesis.
Product Categories/Family for anti-JAK2 antibody	Cell Cycle
References	Bole-Feycot C., et al. (1998) Endocr Rev. 19 (3): 225-68. doi:10.1210/er.19.3.225.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826776
NCBI GeneID	3717
NCBI Accession #	NP_004963
NCBI GenBank Nucleotide #	NM_004972.3
UniProt Accession #	O60674; O14636; O75297
Molecular Weight	130,674 Da
NCBI Official Full Name	tyrosine-protein kinase JAK2 isoform a
NCBI Official Synonym Full Names	Janus kinase 2
NCBI Official Symbol	JAK2
NCBI Official Synonym Symbols	JTK10; THCYT3
NCBI Protein Information	tyrosine-protein kinase JAK2
UniProt Protein Name	Tyrosine-protein kinase JAK2
UniProt Gene Name	JAK2
UniProt Synonym Gene Names	JAK-2

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/jak2-antibody-clone-at53b7-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48232>