Rabbit anti-Human JAK3 Monoclonal Antibody | anti-JAK3 antibody

JAK3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312524	**Rabbit**	**Human**	**Immunocytochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

JAK3; Monoclonal Antibody; JAK3 Antibody; EC 2.7.10.2 antibody; JAK 3 antibody; JAK L antibody; JAK-3 antibody; Jak3 antibody; JAK3 HUMAN antibody; JAK3_HUMAN antibody; JAKL antibody; Janus kinase 3 (a protein tyrosine kinase; leukocyte) antibody; Janus kinase 3 antibody; Janus Kinase3 antibody; L JAK antibody; L-JAK antibody; Leukocyte janus kinase antibody; LJAK antibody; Protein tyrosine kinase leukocyte antibody; Tyrosine protein kinase JAK3 antibody; Tyrosine-protein kinase JAK3 antibody; anti-JAK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JM66-31
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-JAK3 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES

ICC (Immunocytochemistry)
ICC staining JAK3 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-JAK3 antibody. Counter stained with hematoxylin.

IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-JAK3 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-JAK3 antibody	Non-receptor tyrosine kinase involved in various processes such as cell growth, development, or differentiation. Mediates essential signaling events in both innate and adaptive immunity and plays a crucial role in hematopoiesis during T-cells development. In the cytoplasm, plays a pivotal role in signal transduction via its association with type I receptors sharing the common subunit gamma such as IL2R, IL4R, IL7R, IL9R, IL15R and IL21R. Following ligand binding to cell surface receptors, phosphorylates specific tyrosine residues on the cytoplasmic tails of the receptor, creating docking sites for STATs proteins. Subsequently, phosphorylates the STATs proteins once they are recruited to the receptor. Phosphorylated STATs then form homodimer or heterodimers and translocate to the nucleus to activate gene transcription. For example, upon IL2R activation by IL2, JAK1 and JAK3 molecules bind to IL2R beta (IL2RB) and gamma chain (IL2RG) subunits inducing the tyrosine phosphorylation of both receptor subunits on their cytoplasmic domain. Then, STAT5A AND STAT5B are recruited, phosphorylated and activated by JAK1 and JAK3.
Product Categories/Family for anti-JAK3 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	47157315
NCBI GeneID	3718
NCBI Accession #	NP_000206.2
NCBI GenBank Nucleotide #	NM_000215.3
UniProt Accession #	P52333; Q13259; Q13260; Q13611; Q99699; Q9Y6S2
Molecular Weight	125,099 Da
NCBI Official Full Name	tyrosine-protein kinase JAK3
NCBI Official Synonym Full Names	Janus kinase 3
NCBI Official Symbol	JAK3
NCBI Official Synonym Symbols	JAKL; LJAK; JAK-3; L-JAK; JAK3_HUMAN
NCBI Protein Information	tyrosine-protein kinase JAK3; leukocyte Janus kinase; Janus kinase 3 (a protein tyrosine kinase, leukocyte)
UniProt Protein Name	Tyrosine-protein kinase JAK3
UniProt Gene Name	**JAK3**
UniProt Synonym Gene Names	JAK-3; L-JAK
UniProt Entry Name	JAK3_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/jak3-antibody-clone-jm66-31-immunocytochemistry-immunohistochemistry-western-blot-elisa/312524