

Rabbit JAK2 (pY1007/Y1008) (Biotinylated) Antibody | anti-JAK2 (pY1007/Y1008) (Biotinylated) antibody

Rabbit anti Phospho- JAK2 (pTyr 1007/1008)Biotinylated

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71402	Rabbit	Human, Rat, Mouse	Immunohistochemistry, Western Blot, ELISA

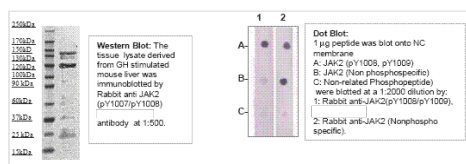
PRODUCT SYNONYMS

JAK2 (pY1007/Y1008) (Biotinylated); Rabbit anti Phospho- JAK2 (pTyr 1007/1008)Biotinylated; Rabbit anti-Phospho-JAK2 (pY1007/1008); Biotinylated; Biotin-conjugated Rabbit anti phosphospecific-Janus Kinase 2; anti-JAK2 (pY1007/Y1008) (Biotinylated) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Specificity	This biotinylated antibody recognizes JAK2 with dual phosphorylated sites of Tyr1007/1008. It does not crossreact with non-phosphospecific peptide.
Purity/Purification	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-JAK2 (pY1007/Y1008) (Biotinylated) antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide surrounding to the epitope -EYYK- with dual phosphorylation sites at Tyr1008 and Tyr1009 of JAK2 from human, mouse and rat origins.
Positive Control	GH stimulated mouse liver
Cellular Location	Cytoplasmic
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-JAK2 (pY1007/Y1008) (Biotinylated) antibody

The Janus tyrosine kinase family consists of four members, JAK1, JAK2, JAK3 and Tyk2. Upon the cytokine ligand binding to its receptors, the dimerization of the receptors occurs followed by phosphorylation of the receptors. The phosphorylation of receptors recruits the tyrosine kinase physically associated to the dimerized receptors, and the phosphorylate the kinase, thus activates the signal transducer and activator of transcription (STAT1, 3, 5) and the other signal proteins

References	Yogev,O., et al. SHP-2 regulates SOCS-1-mediated Janus kinase-2 ubiquitination/degradation downstream of the prolactin receptor. J. Biol. Chem. 278 (52), 52021-52031 (2003)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826776
NCBI GeneID	3717
NCBI Accession #	NP_004963.1
NCBI GenBank Nucleotide #	NM_004972.2
UniProt Accession #	O60674; O14636; O75297; Q506Q0; Q52R86; Q8IXP2
Molecular Weight	120 kDa (130kDa)
NCBI Official Full Name	tyrosine-protein kinase JAK2
NCBI Official Synonym Full Names	Janus kinase 2
NCBI Official Symbol	JAK2
NCBI Official Synonym Symbols	JTK10
NCBI Protein Information	tyrosine-protein kinase JAK2; JAK-2; OTTHUMP00000021024; Janus kinase 2 (a protein tyrosine kinase)
UniProt Protein Name	Tyrosine-protein kinase JAK2
UniProt Gene Name	JAK2
UniProt Entry Name	JAK2_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.