

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

Rabbit anti Phospho- JAK2 (pTyr 1007/1008)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14087	Rabbit	Human, Rat, Mouse	ELISA, Western Blot, Immunohistochemistry, Immunoprecipitation

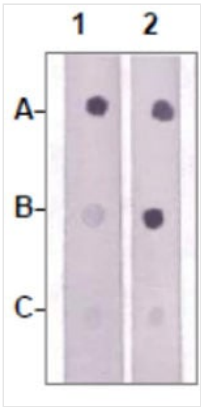
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

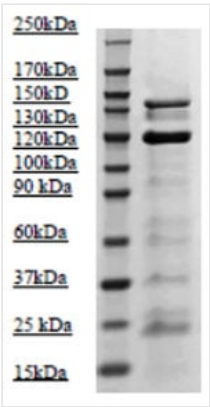
Host	Rabbit
Reactivity	Human, Rat, Mouse
Specificity	This antibody recognizes JAK2 with dual phosphorylated sites of Tyr1007/1008. It does not cross-react with nonphosphospecific peptide.
Purity/Purification	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-JAK2 (pY1007/Y1008) antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Application Notes	Western Blot: 0.1-1 ug/ml ELISA: 0.01-0.1 ug/ml Immunoprecipitation: 2-5 ug/ml Immunohistochemistry: 2-10 ug/ml Optimal dilutions should be determined by researchers for specific applications.
Antigen Preparation	A synthetic peptide surrounding to the epitope -EYYK- with dual phosphorylation sites at Tyr1007 and Tyr1008 of JAK2 from human, mouse and rat origins.
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C - 8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



DB (Dot Blot)

Dot Blot: 1 ug peptide was blot onto NC membraneA: JAK2 (pY1008, pY1009)B: JAK2 (Non phosphospecific)C: Non-related Phosphopeptide) were blotted at a 1:2000 dilution by:1: Rabbit anti-JAK2(pY1008/pY1009) (AAA14087)2: Rabbit anti-JAK2 (Nonphospho specific).



WB (Western Blot)

Western Blot: The tissue lysate derived from GH stimulated mouse liver was immunoblotted by Rabbit anti JAK2 (pY1007/pY1008) (AAA14087) antibody at 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-JAK2 (pY1007/Y1008) antibody	The Janus tyrosine kinase family is consists of four members, JAK1, JAK2, JAK3 and Tyk2. Upon the cytokine ligand binding to its the 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 phosphorylate the kinase, thus activates the signal transducer and activator of thranscription (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)

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	120.0
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.

