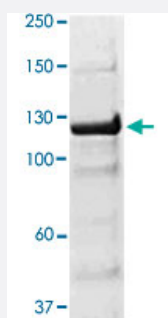


JAK2 polyclonal antibody

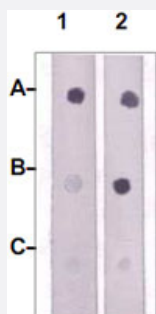
Catalog # PAB12770 Size 100 ug

Applications



Western Blot (Tissue lysate)

The tissue lysate derived from GH stimulated mouse liver was immunoblotted by JAK2 polyclonal antibody (Cat # PAB12770) at 1 : 500.



Dot Blot (Peptide)

Dot Blot : 1 ug peptide was blot onto NC membrane.

A : JAK2 (pY1008, pY1009).

B : JAK2 (Non phospho-specific).

C : Non-related Phosphopeptide.

Followed were blotted at a 1 : 2000 dilution by :

1. Phospho-JAK2 Y1008/Y1009 polyclonal antibody (Cat # PAB12749).

2 : JAK2 polyclonal antibody (Cat # PAB12770).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of JAK2.
Immunogen	A synthetic peptide corresponding to residues surrounding Y1007 and Y1008 of human, mouse and rat JAK2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes JAK2 without phosphorylated sites of Tyr1007/1008. It does not cross-react with phosphospecific peptide.

Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (1-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (Antibody stabilizer).
Storage Instruction	Store at 4°C for one month without detectable loss of activity. For long term storage, store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

The tissue lysate derived from GH stimulated mouse liver was immunoblotted by JAK2 polyclonal antibody (Cat # PAB12770) at 1 : 500.

- Immunohistochemistry

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

- Dot Blot (Peptide)

Dot Blot : 1 ug peptide was blot onto NC membrane.

A : JAK2 (pY1008, pY1009).

B : JAK2 (Non phospho-specific).

C : Non-related Phosphopeptide.

Followed were blotted at a 1 : 2000 dilution by :

1. Phospho-JAK2 Y1008/Y1009 polyclonal antibody (Cat # PAB12749).

2 : JAK2 polyclonal antibody (Cat # PAB12770).

Gene Info — JAK2

Entrez GeneID	3717
Gene Name	JAK2
Gene Alias	JTK10

Gene Description	Janus kinase 2 (a protein tyrosine kinase)
Omim ID	147796 187950 254450 263300 600880 601626
Gene Ontology	Hyperlink
Gene Summary	This gene product 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. [provided by RefSeq]
Other Designations	Janus kinase 2 OTTHUMP00000021024 OTTHUMP00000043260 tyrosine-protein kinase JAK2

Gene Info — Jak2

Entrez GeneID	16452
Gene Name	Jak2
Gene Alias	AI504024, C81284, Fd17
Gene Description	Janus kinase 2
Gene Ontology	Hyperlink
Other Designations	-

Gene Info — Jak2

Entrez GeneID	24514
Gene Name	Jak2
Gene Alias	-
Gene Description	Janus kinase 2
Gene Ontology	Hyperlink
Other Designations	Janus kinase 2 (a protein tyrosine kinase)

Publication Reference

- [SHP-2 regulates SOCS-1-mediated Janus kinase-2 ubiquitination/degradation downstream of the prolactin receptor.](#)

Ali S, Nouhi Z, Chughtai N, Ali S.

The Journal of Biological Chemistry 2003 Dec; 278(52):52021.

Application: IP, WB-Tr, Human, HC11, HEK 293, Nb2 cells

Pathway

- [Adipocytokine signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Acute Disease](#)
- [Anemia](#)
- [Arterial Occlusive Diseases](#)
- [Asthma](#)
- [Blast Crisis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Budd-Chiari Syndrome](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Chromosome Aberrations](#)
- [Chronic Disease](#)

- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Down Syndrome](#)
- [Edema](#)
- [Fetal Death](#)
- [Fetal Growth Retardation](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Hematologic Neoplasms](#)
- [Hemorrhage](#)
- [Hepatic Vein Thrombosis](#)
- [Hepatitis B](#)
- [Hypertension](#)
- [Infant](#)
- [Inflammatory Bowel Diseases](#)
- [Insulin Resistance](#)
- [Iron Overload](#)
- [Leukemia](#)
- [Leukocytosis](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)

- [Lymphoproliferative Disorders](#)
- [Mediastinal Neoplasms](#)
- [Multiple Sclerosis](#)
- [Myelodysplastic Syndromes](#)
- [Myelofibrosis](#)
- [Myeloproliferative Disorders](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Obesity](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Philadelphia Chromosome](#)
- [Polycythemia](#)
- [Polycythemia Vera](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Primary Myelofibrosis](#)
- [Pruritus](#)
- [Pulmonary Embolism](#)
- [Respiratory Syncytial Virus Infections](#)
- [Splenomegaly](#)
- [Spondylitis](#)
- [Stroke](#)
- [Thrombocythemia](#)
- [Thrombocytopenia](#)

- [Thrombocytosis](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Translocation](#)
- [Trisomy](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Viremia](#)