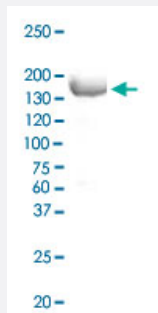


JAK2 polyclonal antibody

Catalog # PAB12769 Size 100 ug

Applications



Immunoprecipitation

The cell lysate (5 mg) derived from HEK 293 transfected by JAK2 was immunoprecipitated by 5 ug of JAK2 polyclonal antibody (Cat # PAB12769) and detected by the same antibody at 1 : 500.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of JAK2.
Immunogen	A synthetic peptide corresponding to C-terminus of human, mouse and rat JAK2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes JAK2. It does not cross-react with JAK1 or JAK3.
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 (1-2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction

Store at 4°C. For long term storage store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

The cell lysate (5 mg) derived from HEK 293 transfected by JAK2 was immunoprecipitated by 5 ug of JAK2 polyclonal antibody (Cat # PAB12769) and detected by the same antibody at 1 : 500.

- Enzyme-linked Immunoabsorbent Assay

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](#)