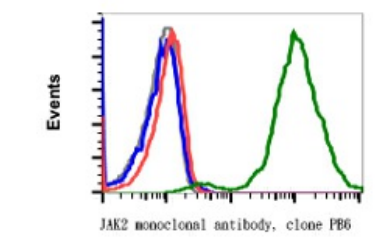
JAK2 (phospho Y1007/1008)monoclonal antibody, clone PB6

Catalog # MAB23367 Size 200 uL

Applications



Flow Cytometry

Flow cytometric analysis of Jurkat cells with JAK2 (phospho Tyr1007/1008)monoclonal antibody, clone PB6(Cat # MAB23367). Untreated (red) or treated with IFNa+IL4+pervanadate (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human JAK2.
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr1007/Tyr1008 of human pho spho Jak2
Host	Rabbit
Reactivity	Human
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 uL/million cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% NaN_3, 0.2% BSA)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Flow Cytometry

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Gene Info — JAK2

Entrez GeneID	3717
Protein Accession#	O60674
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 constituitively 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

Pathway

- Adipocytokine signaling pathway
- Chemokine signaling pathway
- Jak-STAT signaling pathway

Disease

- Acute Disease

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- 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

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- 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

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- 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

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