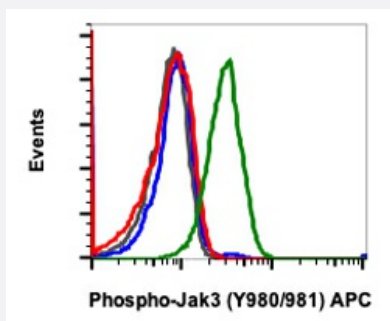


RecomAb™

JAK2 recombinant monoclonal antibody, clone JAK2Y10071008-PB6 (APC)

Catalog # RAB03099 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Jurkat cells untreated (red) or treated with IFN α +IL4+pervanadate (green) using Phospho-Jak2 (Tyr1007/1008) (PB6) Rabbit mAb (APC Conjugate) JAK2Y10071008-PB6, or concentration-matched Rabbit (G9) mAb IgG Isotype Control (APC Conjugate) for cells untreated (black) or treated with IFN α +IL4+pervanadate (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human JAK2.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr1007/Tyr1008 of human phospho Jak2
Reactivity	Human
Form	Liquid
Conjugation	APC
Purification	Protein A purification, Protein G purification
Isotype	IgG
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.2% BSA, 0.09% Sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Flow cytometric analysis of Jurkat cells untreated (red) or treated with IFN α +IL4+pervanadate (green) using Phospho-Jak2 (Tyr1007/1008) (PB6) Rabbit mAb (APC Conjugate) JAK2Y10071008-PB6, or concentration-matched Rabbit (G9) mAb IgG Isotype Control (APC Conjugate) for cells untreated (black) or treated with IFN α +IL4+pervanadate (blue).

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 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

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](#)