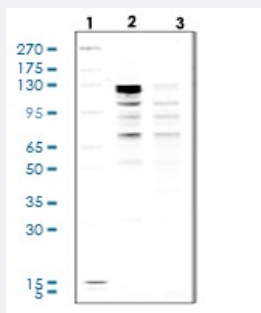


RecomAb™

JAK3 recombinant monoclonal antibody, clone Jak2Y10071008-PB6

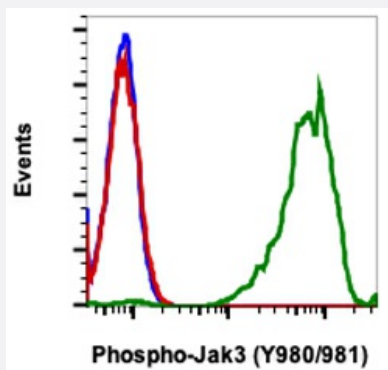
Catalog # RAB02863 Size 200 uL

Applications



Western Blot

Western blot analysis of COS7 cell extract, untreated or treated with pervanadate using Phospho-Jak3 (Tyr980/981) antibody JAK3Y980981-E10 at 0.1 ug/mL.



Flow Cytometry

Flow cytometric analysis of Ramos secondary antibody only negative control (blue) or untreated (red) or treated with pervanadate (green) using phospho-Jak3 (Tyr980/981) antibody JAK3Y980981-E10, 0.01 ug/mL.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human JAK3.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr1007/Tyr1008 of human phospho Jak2
Reactivity	Human

Form	Liquid
Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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Flow cytometric analysis of Ramos secondary antibody only negative control (blue) or untreated (red) or treated with pervanadate (green) using phospho-Jak3 (Tyr980/981) antibody JAK3Y980981-E10, 0.01 ug/mL.

Gene Info — JAK3

Entrez GeneID	3718
Protein Accession#	P52333
Gene Name	JAK3
Gene Alias	JAK-3, JAK3_HUMAN, JAKL, L-JAK, LJAK
Gene Description	Janus kinase 3 (a protein tyrosine kinase, leukocyte)
Omim ID	600173
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the Janus kinase (JAK) family of tyrosine kinases involved in cytokine receptor-mediated intracellular signal transduction. It is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations in this gene are associated with autosomal SCID (severe combined immunodeficiency disease). [provided by RefSeq]

Other Designations

Janus kinase 3|leukocyte Janus kinase|tyrosine-protein kinase JAK3

Pathway

- [Chemokine signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Primary immunodeficiency](#)

Disease

- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Immunologic Deficiency Syndromes](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Leukemia-Lymphoma](#)
- [Lung Neoplasms](#)

- [Lymphoma](#)
- [Lymphopenia](#)
- [Lymphoproliferative Disorders](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Myeloma](#)
- [Myelodysplastic Syndromes](#)
- [Neovascularization](#)
- [Occupational Diseases](#)
- [Papillomavirus Infections](#)
- [Pulmonary Disease](#)
- [Severe combined immunodeficiency](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)