

JAK3 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant JAK3.

Catalog # AT2576a

Specification

JAK3 Antibody (monoclonal) (M03) - Product Information

Application	E
Primary Accession	P52333
Other Accession	BC028068
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	125099

JAK3 Antibody (monoclonal) (M03) - Additional Information

Gene ID 3718

Other Names

Tyrosine-protein kinase JAK3, Janus kinase 3, JAK-3, Leukocyte janus kinase, L-JAK, JAK3

Target/Specificity

JAK3 (AAH28068, 1 a.a. ~ 619 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

JAK3 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

JAK3 Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

JAK3 Antibody (monoclonal) (M03) - Images

JAK3 Antibody (monoclonal) (M03) - Background

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).

JAK3 Antibody (monoclonal) (M03) - References

Absence of gain-of-function JAK1 and JAK3 mutations in adult T cell leukemia/lymphoma. Kameda T, et al. *Int J Hematol*, 2010 Sep. PMID 20697856. Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. *Diabetes Care*, 2010 Jul 13. PMID 20628086. Janus kinase 3 missense mutation in a child with Jacobsen syndrome. Lotz DR, et al. *Ann Allergy Asthma Immunol*, 2010 Jun. PMID 20568388. Structural and thermodynamic characterization of the TYK2 and JAK3 kinase domains in complex with CP-690550 and CMP-6. Chrencik JE, et al. *J Mol Biol*, 2010 Jul 16. PMID 20478313. Polymorphisms in innate immunity genes and risk of childhood leukemia. Han S, et al. *Hum Immunol*, 2010 Jul. PMID 20438785.