

Product datasheet for **TA336238**

JAK3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-JAK3 Antibody: synthetic peptide directed towards the middle region of human JAK3. Synthetic peptide located within the following region: KLLPLDKDYVREPGQSPIFWYAPESLSDNIFSRQSDVWSFGVWLYELF
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	125 kDa
Gene Name:	Janus kinase 3
Database Link:	NP_000206 Entrez Gene 16453 Mouse Entrez Gene 3718 Human P52333



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Background:

JAK3 is a member of the Janus kinase (JAK) family of tyrosine kinases, which is involved in cytokine receptor-mediated intracellular signal transduction. JAK3 is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations in JAK3 are associated with autosomal SCID (severe combined immunodeficiency disease). 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). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

JAK-3; JAK3_HUMAN; JAKL; L-JAK; LJAK

Note:

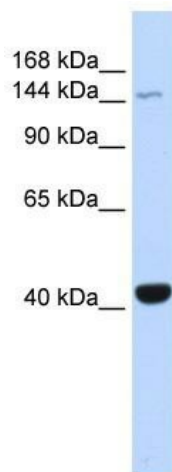
Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Dog: 93%

Protein Families:

Druggable Genome, Protein Kinase

Protein Pathways:

Chemokine signaling pathway, Jak-STAT signaling pathway, Primary immunodeficiency

Product images:

WB Suggested Anti-JAK3 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: Human Small Intestine