

Product datasheet for **TA354488**

JAK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide derived from the adjacent to C-terminus of JAK2 protein. This sequence is identical in JAK2 from human, rat and mouse origins.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	120 kDa
Gene Name:	Janus kinase 2
Database Link:	NP_001309127 Entrez Gene 16452 Mouse Entrez Gene 24514 Rat Entrez Gene 3717 Human O60674
Background:	The Janus tyrosine kinase family consists of four members, JAK1, JAK2, JAK3 and Tyk2. Upon the cytokine ligand binding to its receptors, the dimerization of the receptors occurs followed by phosphorylation of the receptors. The phosphorylation of receptors recruits the tyrosine kinase physically associated to the dimerized receptors, and the phosphorylate the kinase, thus activates the signal transducer and activator of transcription (STAT1, 3, 5) and the other signal proteins.
Synonyms:	JTK10; THCYT3
Protein Families:	Druggable Genome, Protein Kinase



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Protein Pathways: Adipocytokine signaling pathway, Chemokine signaling pathway, Jak-STAT signaling pathway

Product images:



WB: The cell lysate (5mg) derived from HEK293 transfected by JAK2 was immunoprecipitated by 5 ug of Rabbit anti-JAK2 and detected by the same antibody at 1:500.