

## Product datasheet for **TA354829**

### JAK2 Rabbit Polyclonal Antibody

#### Product data:

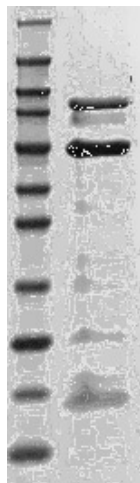
Product Type:	Primary Antibodies
Applications:	Dot, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide surrounding to the epitope -EYYK- with dual phosphorylation sites at Tyr1008 and Tyr1009 of JAK2 from human, mouse and rat origins .
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	120 kDa (130 kDa)
Gene Name:	Janus kinase 2
Database Link:	<a href="#">NP_001309127</a> <a href="#">Entrez Gene 3717 Human</a> <a href="#">O60674</a>
Background:	The Janus tyrosine kinase family is consists of four members, JAK1, JAK2, JAK3 and Tyk2. Upon the cytokine ligand binding to its the 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 thranscription (STAT1, 3, 5) and the other signal proteins.
Synonyms:	JTK10; THCYT3
Protein Families:	Druggable Genome, Protein Kinase



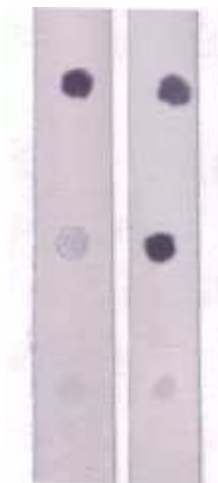
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**Protein Pathways:** Adipocytokine signaling pathway, Chemokine signaling pathway, Jak-STAT signaling pathway

**Product images:**



WB: The tissue lysate derived from GH stimulated mouse liver was immunoblotted by Rabbit anti-JAK2 (pY1007/pY1008) antibody at 1:500.



DB: 1 ug peptide was blot onto NC membrane A: JAK2 (pY1008, pY1009) B: JAK2 (Non phosphospecific) C: Non-related Phosphopeptide) were blotted at a 1:2000 dilution by: 1: Rabbit anti-JAK2 (pY1008/pY1009), 2: Rabbit anti-JAK2 (Nonphospho specific).