

## Product datasheet for **TA354831**

### STAT1 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, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide surrounding to the epitope -TGYIK—without phosphorylation sites at Tyr701 of STAT1 protein 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 Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	91 kDa
Gene Name:	signal transducer and activator of transcription 1
Database Link:	<a href="#">NP_009330</a> <a href="#">Entrez Gene 20846 Mouse</a> <a href="#">Entrez Gene 25124 Rat</a> <a href="#">Entrez Gene 6772 Human</a> <a href="#">P42224</a>
Background:	STAT proteins (Signal transducer and activator of transcription) belong to a family of cytoplasmic transcription factors that can be phosphorylated by a ligand binding to its cell surface receptor. The phosphorylation of STAT1 at Tyr701 induces STAT1 dimerization, nuclear translocation and DNA binding. STAT 1 is activated by a number of different ligands, including IFN, EGF, PDGF and IL6. Tyrosine 701 phosphorylation impairment results in loss of STAT 1 functions.
Synonyms:	CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91
Protein Families:	Druggable Genome, Transcription Factors



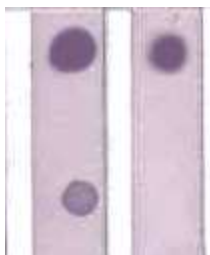
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**Protein Pathways:** Chemokine signaling pathway, Jak-STAT signaling pathway, Pancreatic cancer, Pathways in cancer, Toll-like receptor signaling pathway

**Product images:**



WB: The tissue lysate derived from mouse liver was immunoblotted by Rabbit anti-STAT1 (Paired Y701) antibody at 1:500.



DB: 1 ug peptide was blot onto NC membrane A: STAT1 (pY701) (Phosphospecific) B: STAT1 (PairedY701) (Non phosphospecific) were blotted at a 1:2000 dilution by: 1: Rabbit anti-STAT1 (Paired Y701), 2: Rabbit anti-STAT1 (Phospho specific).