

## Product datasheet for **TA319404**

### Stat1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:25,000, WB: 1:500 - 1:2,000
Reactivity:	Mouse, Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This Protein A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to residues surrounding Y701 in the mouse STAT1 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	signal transducer and activator of transcription 1
Database Link:	<a href="#">NP_033309</a> <a href="#">Entrez Gene 25124 Rat</a> <a href="#">Entrez Gene 20846 Mouse</a>
Synonyms:	DKFZp686B04100; ISGF-3; OTTHUMP00000205845; STAT91
Note:	This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. Signal transducer and activator of transcription 1 (Stat1) belongs to a family of cytoplasmic transcription factors that can be activated (phosphorylated) by a cell surface receptor. Phosphorylation of Stat1 at Tyr701 induces Stat1 dimerization, nuclear translocation and DNA binding. Stat1 has two isoforms



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**Product images:**

Western blot using Protein A purified anti-Stat1 pY701 antibody shows detection of phosphorylated Stat1 (indicated by arrowhead at ~91 kDa) in K562 cells after 30 min treatment with 1Ku of hIFN- $\gamma$  (lane 2). No reactivity is seen for non-phosphorylated Stat1 in untreated cells (lane 1). The membrane was probed with the primary antibody at a 1:1,000 dilution at 4°C, overnight. Personal Communication from Ana Gamero, CCR-NCI, Bethesda, MD.