

## Product datasheet for **AP23359PU-N**

### STAT1 (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: At 1-2µg/ml with the appropriate system to detect stat1(P91) in cells and tissues. Immunohistochemistry on paraffin sections: At 1-2µg/ml to detect stat1(P91)in formalin fixed and paraffin embedded tissues. Boiling the sections is required.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide mapping at the C-terminus of human stat1(P91)
Specificity:	This antibody detects STAT1 near C-term. No cross reactivity with other proteins.
Formulation:	50% glycerol, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	1.2% sodium acetate or neutral PBS. If 0.5ml of PBS is used, the antibody concentration will be 100µg/ml.
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	signal transducer and activator of transcription 1
Database Link:	<a href="#">Entrez Gene 20846 Mouse</a> <a href="#">Entrez Gene 25124 Rat</a> <a href="#">Entrez Gene 6772 Human P42224</a>



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**Background:**

Chen et al. (1998) determined the crystal structure of the DNA complex of a 67-kD core fragment of the STAT1 homodimer, lacking only the N-domain and the C-terminal transcriptional activation domain, at 2.9-angstrom resolution. Phosphorylation of Signal Transducer and Activator of transcription 1 (STAT 1) was also decreased in rheumatoid arthritis lymphocytes. The transcription factor signal transducer and activator of transcription-1 (STAT1) plays a key role in immunity against mycobacterial and viral infections. Activation of the signal transducers and activators of transcription (STAT) pathway is important in fibroblast growth factor (FGF) modulation of chondrocyte proliferation and endochondral bone formation during embryogenesis.

**Synonyms:**

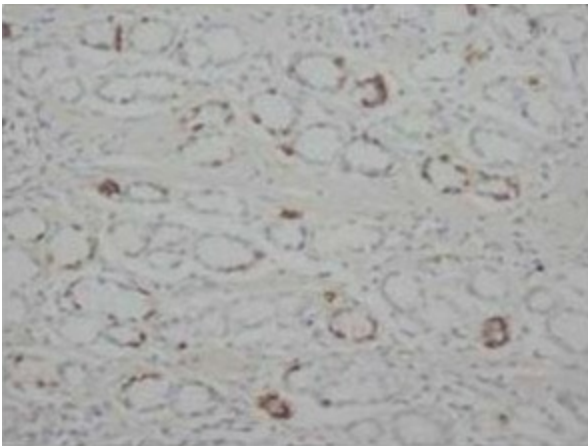
DKFZp686B04100; ISGF-3; OTTHUMP00000205845; STAT91

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

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

**Product images:**

Immunohistochemical analysis of paraffin-embedded human carcinoma ventriculi sections, staining STAT1 in cytoplasm, DAB chromogenic reaction