

Stat1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10104**Specification**

Stat1 Antibody - Product Information

Application	WB
Primary Accession	O9QXK0
Other Accession	AAF20200
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

Stat1 Antibody - Additional Information

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody recognizes both alpha (91 kDa) and beta (84 kDa) subunits of STAT1 in samples from human, mouse, and rat origins.
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Other Names

signal transducer and activator of transcription 1

Target/Specificity

Stat1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Stat1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Stat1 Antibody - Protein Information

Stat1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Stat1 Antibody - Images

Stat1 Antibody - Background

STATs (signal transducers and activators of transcription) are a family of cytoplasmic latent transcription factors that are activated to regulate gene expression in response to a large number of extracellular signalling peptides including cytokines, interferons, and growth factors. After phosphorylation by JAK tyrosine kinases, STATs enter the nucleus to regulate transcription of many different genes. Among the seven STATs (Stat1, Stat2, Stat3, Stat4, Stat5a, Stat5b, and Stat6). Stat1, Stat3, Stat5a and Stat5b have wide activation profiles. Stat1 is activated by many different ligands including IFN family (IFN- α , IFN- β , IFN- γ , and IL-10), gp130 family (IL-6, IL-11, LIF, CNTF, and G-CSF-1), and receptor tyrosine kinases (EGF, PDGF, and CSF-1). Stat1 has two forms, the 91 kDa STAT1 α and the 84 kDa STAT1 β , which are coded by the same gene with splicing variant.