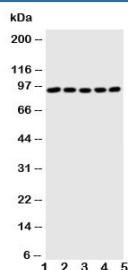


STAT1 Antibody (R30581)

Catalog No.	Formulation	Size
R30581	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P42224
Applications	Western Blot : 0.5-1ug/ml
Limitations	This STAT1 antibody is available for research use only.



Western blot testing of STAT1 antibody and Lane 1: MM451; 2: HeLa; 3: HT1080; 4: SW620; 5: Jurkat cell lysate. Predicted molecular weight: ~91/84 kDa (alpha/beta).

Description

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 was also decreased in rheumatoid arthritis lymphocytes. It 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the STAT1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human STAT1 (RIVGSVEFDSMMNTV) was used as the immunogen for this STAT1 antibody.

Storage

After reconstitution, the STAT1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.