AbboMax, Inc

Innovation at Work

Order Information

Description: Rabbit anti STAT1	
Catalogue#:	500-9314
Lot#:	See the label
Size:	100 ug/200 ul
Host:	Rabbit
Clone:	N/A
Application:	ELISA, WB, IHC
Reactivity:	Hu, Rt, Ms.

Rabbit anti- STAT1

Synonym: Signal transducer and activator of transcription 1 (STAT1)

ANTIGEN PREPARATION

A synthetic peptide surrounding to the C-terminus of STAT1 protein from human, mouse and rat origins.

BACKGROUND

STAT proteins (Signal transducer and activator of transcription) belong to a family of cytoplasmic transcription factors that can be phosphorylated by a lignad 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.

PURIFICATION

The Rabbit IgG is purified by epitope Affinity Purification.

FORMULATION

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes STAT1 protein. It reacts to human, mouse and rat. The other species are not tested..

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at –20°C to –70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

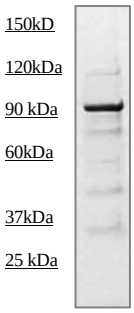
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	1:50 µg/ml
Flow cytometry	Not tested

MOLECULAR WEIGHT:	91 kDa
POSITIVE CONTROL:	Mouse liver
CELLULAR LOCATION:	Nuclear

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



Western Blot: The tissue lysate derived from mouse liver was immunoblotted by Rabbit anti STAT1 (Cat#500-9314) antibody at 1:500.

REFERENCES

Tong R Wu, et al. SHP-2 Is a Dual-specificity Phosphatase Involved in Stat1 Dephosphorylation at Both Tyrosine and Serine Residues in Nuclei, J. Biol. Chem., Vol. 277, Issue 49, 47572-47580, December 6, 2002

FOR RESEARCH USE ONLY.

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