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STAT1 Ab

Images(1)

Cat.#: DF6001	Concn.: ~1mg/ml	Mol.Wt.: 83kDa
Size:	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500 *The optimal dilutions should be determined by the end user.
Reactivity:	Human,Mouse,Rat
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Immunogen:	A synthesized peptide derived from human STAT1, corresponding to a region within C-terminal amino acids.
Uniprot:	P42224
Description:	The Stat1 transcription factor is activated in response to a large number of ligands and is essential for responsiveness to IFN-? and IFN-? (2,3). Phosphorylation of Stat1 at Tyr701 induces Stat1 dimerization, nuclear translocation, and DNA binding . Stat1 protein exists as a pair of isoforms, Stat1? (91 kDa) and the splice variant Stat1? (84 kDa). In most cells, both isoforms are activated by IFN-?, but only Stat1? is activated by IFN-?. The inappropriate activation of Stat1 occurs in many tumors . In addition to tyrosine phosphorylation, Stat1 is also phosphorylated at Ser727 through a p38 mitogen-activated protein kinase (MAPK)-dependent pathway in response to IFN-? and other cellular stresses .

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.