anti- Phospho-STAT1 (Tyr701) antibody

Product Information

Catalog No.:	FNab10880
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Signal transducer and transcription activator that mediates cellular responses to interferons(IFNs), cytokine KITLG/SCF and other cytokines and other growth factors. Following type I IFN(IFN-alpha and IFN-beta) binding to cell surface receptors, signaling via protein kinases leads to activation of Jak kinases(TYK2 and JAK1) and to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize and associate with ISGF3G/IRF-9 to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element(ISRE) to activate the transcription of IFN-stimulated genes(ISG), which drive the cell in an antiviral state. In response to type II IFN(IFN-gamma), STAT1 is tyrosine-and serine-phosphorylated. It then forms a homodimer termed IFN-gamma-activated factor(GAF), migrates into the nucleus and binds to the IFN gamma activated sequence(GAS) to drive the expression of the target genes, inducing a cellular antiviral state. Becomes activated in response to KITLG/SCF and KIT signaling. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4.

Immunogen information

Immunogen:	A phospho specific peptide corresponding to residues surrounding Y701 of human STAT1
Synonyms:	ISGF 3, STAT1, STAT91
Observed MW:	80-90 kDa

Wuhan Fine Biotech Co., Ltd.

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Uniprot ID : P42224

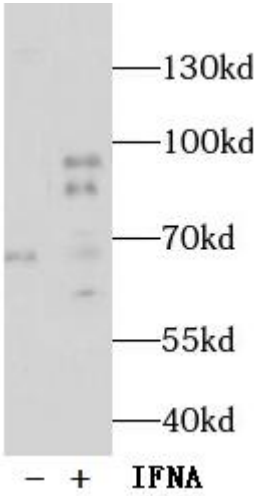
Application

Reactivity: Human

Tested Application: WB

Recommended dilution: WB: 1:500-1:1000

Image:



Hela cells were subjected to SDS PAGE followed by western blot with FNab10880 at dilution of 1:600; HeLa cells were treated by IFN-α (100 ng/ml) at 37℃ for 30 minutes after serum-starvation overnight.

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