

STAT2 antibody

Product Information

Catalog No.:	FNab08297
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Signal transducer and activator of transcription that mediates signaling by type I IFNs(IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases(TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize, associate with IRF9/ISGF3G 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 interferon stimulated genes, which drive the cell in an antiviral state(PubMed:9020188, PubMed:23391734). Acts as a regulator of mitochondrial fission by modulating the phosphorylation of DNM1L at 'Ser-616' and 'Ser-637' which activate and inactivate the GTPase activity of DNM1L respectively(PubMed:26122121).

Immunogen information

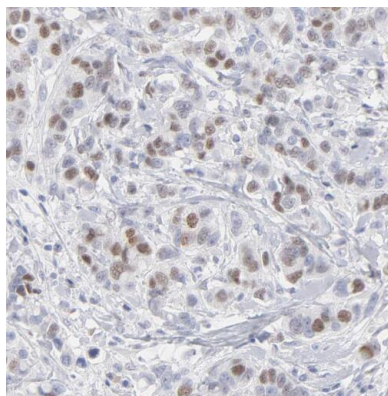
Immunogen:	signal transducer and activator of transcription 2, 113kDa
Synonyms:	Signal transducer and activator of transcription 2 p113 STAT2
Observed MW:	113 kDa
Uniprot ID :	P52630

Application

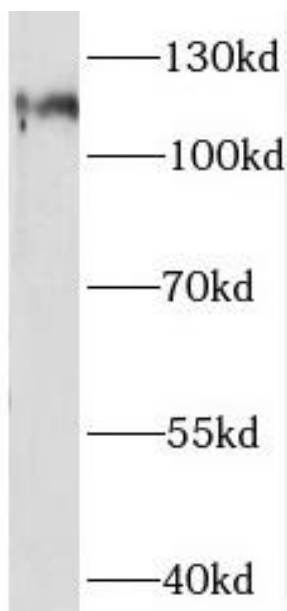
Reactivity:	Human
Tested Application:	ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human breast cancer using FNab08297(STAT2 antibody) at dilution of 1:50



HeLa cells were subjected to SDS PAGE followed by western blot with FNab08297(STAT2 antibody) at dilution of 1:500