

Stat2 (phospho Tyr690) Polyclonal Antibody

Catalog # AP67544

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P52630
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97916

Additional Information

Gene ID	6773
Other Names	STAT2; Signal transducer and activator of transcription 2; p113
Dilution	WB--Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P--N/A IF--1:50~200 ICC--N/A E--N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

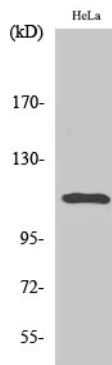
Protein Information

Name	STAT2
Function	Signal transducer and activator of transcription that mediates signaling by type I interferons (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: 23391734 , PubMed: 9020188). In addition, also has a negative feedback regulatory role in the type I interferon signaling by recruiting USP18 to the type I IFN receptor subunit IFNAR2 thereby mitigating the response to type I IFNs (PubMed: 28165510). 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: 23391734 , PubMed: 26122121 , PubMed: 9020188).
Cellular Location	Cytoplasm. Nucleus Note=Translocated into the nucleus upon activation by

Background

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Images



Western Blot analysis of various cells using Phospho-Stat2 (Y690) Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.