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## anti-STAT2 antibody (C-Term)

2 Images



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#### Overview

Quantity:	100 μL
Target:	STAT2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

#### **Product Details**

Immunogen:

Isotype:	IgG
Characteristics:	STAT2 (Signal Transducer And Activator Of Transcription 2, 113 kDa) is a 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. STAT2
	antibody (pAb) was raised in a Rabbit host. It has been validated for use in Immunoprecipitation
	and Western blot, it has been shown to react with Human samples.

This antibody was raised against a peptide within the C-terminal region of human STAT2.

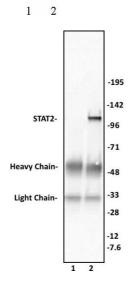
### **Product Details** Affinity Purified Purification: **Target Details** Target: STAT2 Alternative Name STAT2 (STAT2 Products) Molecular Weight: 110 kDa NCBI Accession: NP\_005410 JAK-STAT Signaling, Hepatitis C, CXCR4-mediated Signaling Events Pathways: **Application Details** Optimal working dilution should be determined by the investigator. Application Notes: Restrictions: For Research Use only Handling Buffer: Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. -20 °C Storage: Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -

20°C for up to 2 years. Keep all reagents on ice when not in storage.



#### **Western Blotting**

**Image 1.** STAT2 antibody (pAb) tested by Western blot. Whole cell extract (20  $\mu$ g) of Jurkat cells (Lane 1) or HeLa cells (Lane 2) probed with STAT2 antibody at a 1:1,000 dilution.



#### **Immunoprecipitation**

**Image 2.** STAT2 antibody (pAb) tested by Immunoprecipitation. 10  $\mu$ L of STAT2 antibody was used to immunoprecipitate STAT2 from 400  $\mu$ g of HeLa whole cell extract (lane 2). 10  $\mu$ L of rabbit IgG was used as a negative control (lane 1). The immunoprecipitated protein was detected by Western blotting using the STAT2 antibody at a dilution of 1:1,000.