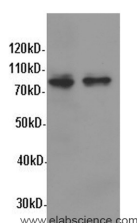


## STAT1 Polyclonal Antibody

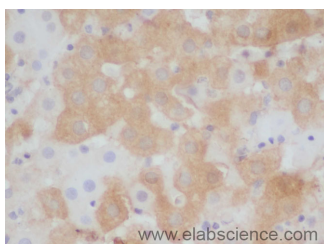
<b>Catalog No.</b>	E-AB-40052	<b>Reactivity</b>	H,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

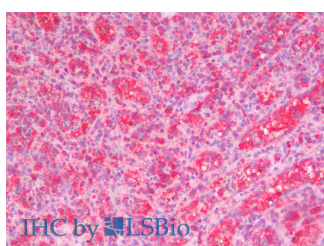
### Images



Western Blot analysis of HeLa and A549 cells using STAT1 Polyclonal Antibody at dilution of 1:600



Immunohistochemistry of paraffin-embedded Rat liver using STAT1 Polyclonal Antibody at dilution of 1:50



Immunohistochemistry analysis of paraffin-embedded Human Spleen using STAT1 Polyclonal Antibody(Elabscience® Product Detected by Lifespan).

### Immunogen Information

<b>Immunogen</b>	Recombinant human Zinc finger protein SNAI1 protein
<b>Gene Accession</b>	BC002704
<b>Swissprot</b>	P42224
<b>Synonyms</b>	CANDF7, IMD31A, IMD31B, IMD31C, ISGF 3, STAT1, Transcription factor ISGF 3 components p91 p84

### Product Information

<b>Calculated MW</b>	87kDa
<b>Observed MW</b>	87kDa
<b>Buffer</b>	PBS with 0.05% Proclin300 and 50% glycerol, pH7.4.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:1000, IHC 1:50-1:100

### Background

Signal transducer and activator of transcription that mediates signaling by interferons (IFNs). Following type I IFN (IFN-alpha and IFN-beta) 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 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 interferon stimulated genes, 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.

### For Research Use Only

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.