BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Phospho-STAT1 (Y701) Rabbit Monoclonal Antibody

Catalog Number: P00036

About STAT1

Signal transducer and activator of transcription 1 (STAT1) is a transcription factor which in humans is encoded by the STAT1 gene. The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described.

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Overview

Product Name	Anti-Phospho-STAT1 (Y701) Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Phospho-STAT1 (Y701) Rabbit Monoclonal Antibody catalog # P00036. Tested in WB application. This antibody reacts with Human.
Application	WB
Clonality	Monoclonal HHB-19
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P42224

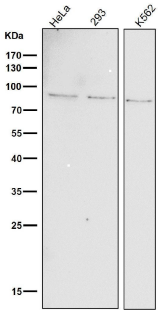
Technical Details

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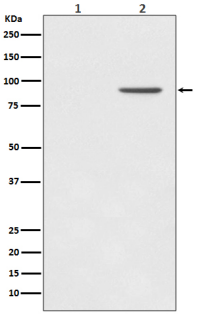
Immunogen	A synthesized peptide derived from human STAT1
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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Anti-Phospho-STAT1 (Y701) Rabbit Monoclonal Antibody (P00036) Images



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of Phospho-STAT1 (Y701) expression in (1) A431 cell lysate; (2) A431 lysate cell treated with EGF.

2 Publications Citing This Product

1. PubMed ID: 17696225, Hepatitis C virus non-structural 5A abrogates signal transducer and activator of transcription-1 nuclear translocation induced by IFN-alpha through dephosphorylation.

2. PubMed ID: 28903386, Synergistic inhibition of colon cancer growth by the combination of methylglyoxal and silencing of glyoxalase I mediated by the STAT1 pathway

Visit bosterbio.com/anti-phospho-stat1-y701-rabbit-monoclonal-antibody-p00036-boster.html to see all 2 publications.

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