

Stat1 (phospho Y701) polyclonal antibody

Catalog # PAB11306 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot using Stat1 (phospho Y701) polyclonal antibody (Cat # PAB11306) shows detection of phos-phorylated Stat1 (indicated by arrowhead at ~91 kDa) in K-562 cells after 30 min treatment with 1 ku of hIFN-alpha (lane 2).

No reactivity is seen for non-phosphorylated Stat1 in untreated cells (lane 1).

The primary antibody at a 1:1,000 dilution at 4°C, overnight.

Personal Communication from Ana Gamero, CCR-NCI, Bethesda, MD.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Stat1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y701 of mouse Stat1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to mouse Stat1 protein phosphorylated at Y701.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:25000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — Stat1

Entrez GeneID[20846](#)**Protein Accession#**[NP_033309:P42225](#)**Gene Name**

Stat1

Gene Alias

2010005J02Rik, AA408197

Gene Description

signal transducer and activator of transcription 1

Gene Ontology[Hyperlink](#)**Other Designations**

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Publication Reference

- [STAT1 regulates p73-mediated Bax gene expression.](#)

Soond SM, Carroll C, Townsend PA, Sayan E, Melino G, Behrmann I, Knight RA, Latchman DS, Stephanou A.
FEBS Letters 2007 Mar; 581(6):1217.

Application: IF, WB-Tr, Mouse, Neonatal primary cardiomyocyte cells, MEFs

- [Distinct modes of action applied by transcription factors STAT1 and IRF1 to initiate transcription of the IFN-gamma-inducible gbp2 gene.](#)

Ramsauer K, Farlik M, Zupkovitz G, Seiser C, Kroger A, Hauser H, Decker T.

PNAS 2007 Feb; 104(8):2849.

Application: WB, Mouse, Mouse fibroblasts

- [Murine norovirus 1 infection is associated with histopathological changes in immunocompetent hosts, but clinical disease is prevented by STAT1-dependent interferon responses.](#)

Mumphrey SM, Changotra H, Moore TN, Heimann-Nichols ER, Wobus CE, Reilly MJ, Moghadamfalahi M, Shukla D, Karst SM.

Journal of Virology 2007 Apr; 81(7):3251.