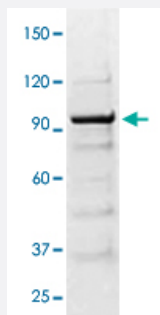


STAT1 polyclonal antibody

Catalog # PAB12782 Size 100 ug

Applications



Western Blot (Tissue lysate)

The tissue lysate derived from mouse liver was immunoblotted by STAT1 polyclonal antibody (Cat # PAB12782) at 1 : 500.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of STAT1.
Immunogen	A synthetic peptide corresponding to C-terminus of human, mouse and rat STAT1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes STAT1.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction

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

Applications

- Western Blot (Tissue lysate)

The tissue lysate derived from mouse liver was immunoblotted by STAT1 polyclonal antibody (Cat # PAB12782) at 1 : 500.

- Immunohistochemistry

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — STAT1

Entrez GeneID	6772
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Gene Name	STAT1
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Gene Alias	DKFZp686B04100, ISGF-3, STAT91
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Gene Description	signal transducer and activator of transcription 1, 91kDa
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Omim ID	209950 600555
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Gene Ontology	Hyperlink
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Gene Summary	The protein encoded by this gene is a member of the STAT protein family. In response to cytokine s 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. [provided by RefSeq]
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Other Designations	OTTHUMP00000165047 signal transducer and activator of transcription 1 signal transducer and activator of transcription-1 transcription factor ISGF-3 components p91/p84
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Gene Info — Stat1

Entrez GeneID	20846
Gene Name	Stat1
Gene Alias	2010005J02Rik, AA408197
Gene Description	signal transducer and activator of transcription 1
Gene Ontology	Hyperlink
Other Designations	-

Gene Info — Stat1

Entrez GeneID	25124
Gene Name	Stat1
Gene Alias	-
Gene Description	signal transducer and activator of transcription 1
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- [SHP-2 is a dual-specificity phosphatase involved in Stat1 dephosphorylation at both tyrosine and serine residues in nuclei.](#)

Wu TR, Hong YK, Wang XD, Ling MY, Dragoi AM, Chung AS, Campbell AG, Han ZY, Feng GS, Chin YE.

The Journal of Biological Chemistry 2002 Dec; 277(49):47572.

Application: WB-Ce, WB-Tr, Human, Mouse, A-431 cells, HEK 293T cells, MEFs

Pathway

- [Chemokine signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)

- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Campylobacter Infections](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Leukemia](#)

- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Neutropenia](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Papillomavirus Infections](#)
- [Proteinuria](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Salmonella Infections](#)
- [Thrombocytopenia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)
- [Werner syndrome](#)