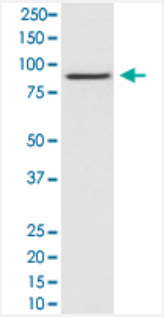
STAT1 (alpha) monoclonal antibody, clone HBG-19

Catalog # MAB20742 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate with STAT1 (alpha) monoclonal antibody, clone HBG-19 (Cat # MAB20742).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human STAT1 (alpha).
Immunogen	A synthetic peptide corresponding to human STAT1 alpha.
Host	Rabbit
Theoretical MW (kDa)	87.335
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:500) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:5000-1:20000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunofluorescence
- Immunocytochemistry
- Flow Cytometry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot analysis of HeLa cell lysate with STAT1 (alpha) monoclonal antibody, clone HBG-19 (Cat # MAB20742).

Gene Info — STAT1

Entrez GeneID	6772
Protein Accession#	P42224
Gene Name	STAT1
Gene Alias	DKFZp686B04100, ISGF-3, STAT91
Gene Description	signal transducer and activator of transcription 1, 91kDa
Omim ID	209950 600555
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 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. [provided by RefSeq
Other Designations	OTTHUMP00000165047|signal transducer and activator of transcription 1|signal transducer and activator of transcription-1|transcription factor ISGF-3 components p91/p84

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

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- 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

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- Respiratory Syncytial Virus Infections
- Salmonella Infections
- Thrombocytopenia
- Thyroid Neoplasms
- Tobacco Use Disorder
- Tuberculosis
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Viremia
- Werner syndrome

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