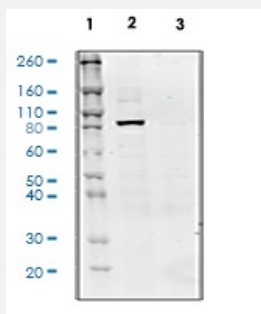


RecomAb™

STAT1 recombinant monoclonal antibody, clone Stat1S727-C6

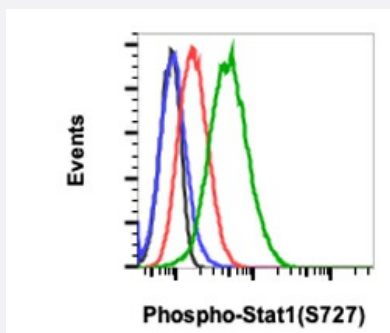
Catalog # RAB02829 Size 200 uL

Applications



Western Blot

Western blot analysis of U937 cell extract untreated or treated with IL-4 using 0.1 ug/mL Phospho-Stat1 (Ser727) antibody Stat1S727-C6 .



Flow Cytometry

Flow cytometric analysis of U937 cells untreated (red) or treated with IFNa+IL4+PV (green) using Phospho-Stat1 (Ser727) (C6) Rabbit mAb Stat1S727-C6 at 0.01 ug/mL , or concentration-matched Rabbit (G9) mAb IgG Isotype Control for cells untreated (black) or treated with IFNa+IL4+PV (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human STAT1.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser727 of human phospho Stat 1
Reactivity	Human
Form	Liquid
Purification	Protein A+G

Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	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.

Applications

- Western Blot

Western blot analysis of U937 cell extract untreated or treated with IL-4 using 0.1 ug/mL Phospho-Stat1 (Ser727) antibody Stat1S727-C6 .

- Flow Cytometry

Flow cytometric analysis of U937 cells untreated (red) or treated with IFN α +IL4+PV (green) using Phospho-Stat1 (Ser727) (C6) Rabbit mAb Stat1S727-C6 at 0.01 ug/mL , or concentration-matched Rabbit (G9) mAb IgG Isotype Control for cells untreated (black) or treated with IFN α +IL4+PV (blue).

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

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](#)

- [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](#)