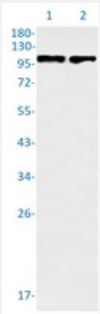
RecomAb™

STAT6 recombinant monoclonal antibody, clone R04-0B5

Catalog # RAB04439 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: HeLa whole cell lysate and Lane 2: U2OS whole cell lysate with STAT6 recombinant monoclonal antibody, clone R04-0B5 (Cat # RAB04439).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human STAT6.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human STAT6.
Theoretical MW (kDa)	Calculated MW: 94 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
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 shoul d be handled by trained staff only.

Applications

- Immunoprecipitation
- Western Blot

  Western blot analysis of Lane 1: HeLa whole cell lysate and Lane 2: U2OS whole cell lysate with STAT6 recombinant monoclonal antibody, clone R04-0B5 (Cat # RAB04439).

Gene Info — STAT6

Entrez GeneID	6778
Protein Accession#	P42226
Gene Name	STAT6
Gene Alias	D12S1644, IL-4-STAT, STAT6B, STAT6C
Gene Description	signal transducer and activator of transcription 6, interleukin-4 induced
Omim ID	601512
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the STAT family of transcription factors. In resp onse to cytokines and growth factors, STAT family members are phosphorylated by the receptor a ssociated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein plays a central role in exerting IL4 mediated biolo gical responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible f or the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in di fferentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immu noglobulins. [provided by RefSeq
Other Designations	STAT, interleukin4-induced|signal transducer and activator of transcription 6|transcription factor IL -4 STAT

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Pathway

- Jak-STAT signaling pathway

Disease

- Anaphylaxis
- Arthritis
- Ascariasis
- Asthma
- Birth Weight
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bronchiolitis
- Cardiovascular Diseases
- Colitis
- Confusion
- Crohn Disease
- Dermatitis
- Diabetes Mellitus
- Disease Progression
- Drug Hypersensitivity
- Edema
- Endometriosis
- Food Hypersensitivity

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- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Graves Disease
- Hypersensitivity
- Infant
- Infertility
- Inflammatory Bowel Diseases
- Kidney Failure
- Leukemia
- Liver Diseases
- Lupus Erythematosus
- Lymphoma
- Meningeal Neoplasms
- Meningioma
- Nausea
- Neoplasms
- Nephrosis
- Nephrotic Syndrome
- Nut Hypersensitivity
- Pain
- Pulmonary Disease
- Recurrence
- Respiratory Syncytial Virus Infections

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