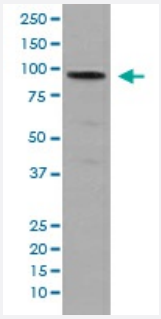
STAT5A (phospho Y694) monoclonal antibody, clone EDD-19

Catalog # MAB20580 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of A431 cell lysate treated with EGF using STAT5A (phospho Y694) monoclonal antibody, clone EDD-19.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human STAT5A.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y694 of human STAT5A.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 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.

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

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Western Blot (Cell lysate)

  Western Blot analysis of A431 cell lysate treated with EGF using STAT5A (phospho Y694) monoclonal antibody, clone EDD-19.

Gene Info — STAT5A

Entrez GeneID	6776
Protein Accession#	P42229
Gene Name	STAT5A
Gene Alias	MGF, STAT5
Gene Description	signal transducer and activator of transcription 5A
Omim ID	601511
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 is activated by, and mediates the responses of m any cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growt h hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 ge ne fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesi s. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), wh ich suggests the antiapoptotic function of this gene in cells. [provided by RefSeq
Other Designations	-

Pathway

- Acute myeloid leukemia
- Chronic myeloid leukemia

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- ErbB signaling pathway
- Jak-STAT signaling pathway
- Pathways in cancer

Disease

- Asthma
- Birth Weight
- Breast cancer
- Breast Neoplasms
- Bronchiolitis
- Carcinoma
- Disease Progression
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hepatitis C
- Infant
- Leukemia
- Liver Neoplasms
- Lupus Erythematosus
- Meningeal Neoplasms
- Meningioma
- Respiratory Syncytial Virus Infections
- Viremia

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