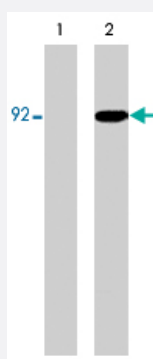


STAT5A (phospho Y694) monoclonal antibody, clone M148

Catalog # MAB1375

Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of human A-431 cells untreated (lane 1) or treated with EGF (100 nM) for 60 min (lane 2). The blots were probed with STAT5A (phospho Y694) monoclonal antibody, clone M148 (Cat # MAB1375).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic phosphopeptide of STAT5A.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y694 of human STAT5A.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	This peptide sequence is identical to tyrosine 699 in human Stat5B, and has high homology to the conserved tyrosine site in rat and mouse Stat5A/B.
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) Western Blot (1:500) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide)
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 (Cell lysate)

Western blot analysis of human A-431 cells untreated (lane 1) or treated with EGF (100 nM) for 60 min (lane 2). The blots were probed with STAT5A (phospho Y694) monoclonal antibody, clone M148 (Cat # MAB1375).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — STAT5A

Entrez GeneID	6776
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 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 is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. [provided by RefSeq]
Other Designations	-

Publication Reference

- [STATs and gene regulation.](#)

Darnell JE Jr.

Science 1997 Sep; 277(5332):1630.

- [Activation of different Stat5 isoforms contributes to cell-type-restricted signaling in response to interferons.](#)

Meinke A, Barahmand-Pour F, Wöhrl S, Stoiber D, Decker T.

Molecular and Cellular Biology 1996 Dec; 16(12):6937.

- [Mammary gland factor \(MGF\) is a novel member of the cytokine regulated transcription factor gene family and confers the prolactin response.](#)

Wakao H, Gouilleux F, Groner B.

The EMBO Journal 1994 May; 13(9):2182.

Application: WB-Tr, Hamster, Monkey, CHO, COS cells

Pathway

- [Acute myeloid leukemia](#)
- [Chronic myeloid leukemia](#)
- [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](#)