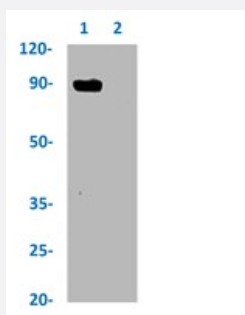


RecomAb™

STAT5A (phospho Y694) recombinant monoclonal antibody, clone 3F1

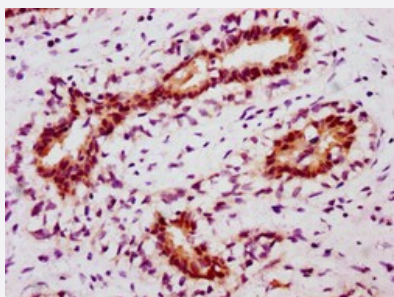
Catalog # RAB04241 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: HepG2 whole cell lysate (treated with EGF 100 ng/mL/20 mins) and Lane 2: HepG2 whole cell lysate (not treated) with STAT5A (phospho Y694) recombinant monoclonal antibody, clone 3F1 (Cat # RAB04241).



Immunohistochemistry

Immunohistochemical staining of human breast cancer with STAT5A (phospho Y694) recombinant monoclonal antibody, clone 3F1 (Cat # RAB04241) (diluted at 1:100).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human STAT5A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Y694 of human STAT5A.
Theoretical MW (kDa)	Calculated MW: 90 kD
Reactivity	Human

Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °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 Lane 1: HepG2 whole cell lysate (treated with EGF 100 ng/mL/20 mins) and Lane 2: HepG2 whole cell lysate (not treated) with STAT5A (phospho Y694) recombinant monoclonal antibody, clone 3F1 (Cat # RAB04241).

- Immunohistochemistry

Immunohistochemical staining of human breast cancer with STAT5A (phospho Y694) recombinant monoclonal antibody, clone 3F1 (Cat # RAB04241) (diluted at 1:100).

- Enzyme-linked Immunoabsorbent Assay

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 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

-

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](#)