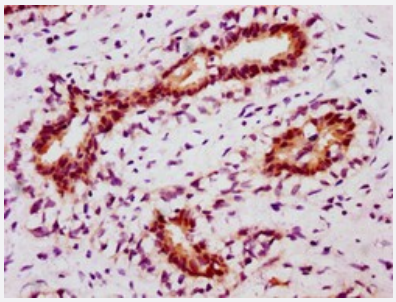
RecomAb™ Sm Size

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

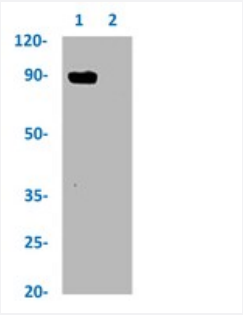
Catalog # RAB08056 Size 50 uL

Applications



Immunohistochemistry

Immunohistochemical staining of human breast cancer with STAT5A (phospho Y694) recombinant monoclonal antibody (diluated at 1:100).



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.

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 surroundin g Y694 of human STAT5A.
Theoretical MW (kDa)	Calculated MW: 90 kD
Reactivity	Human

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Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
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 shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemical staining of human breast cancer with STAT5A (phospho Y694) recombinant monoclonal antibody (diluated at 1:100).

- Enzyme-linked Immunoabsorbent Assay

- 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.

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

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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

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- Glioma
- Hepatitis C
- Infant
- Leukemia
- Liver Neoplasms
- Lupus Erythematosus
- Meningeal Neoplasms
- Meningioma
- Respiratory Syncytial Virus Infections
- Viremia

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