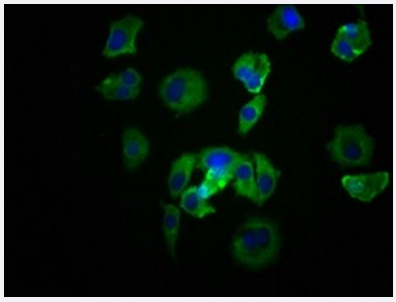
RecomAb™

SRC recombinant monoclonal antibody, clone 21H5

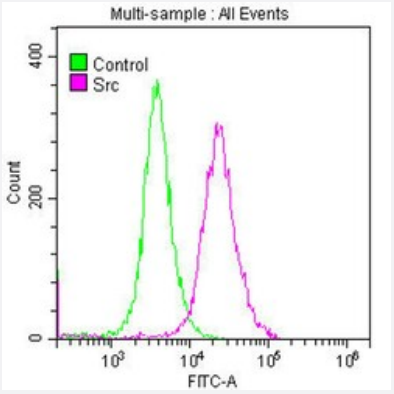
Catalog # RAB04355 Size 100 uL

Applications



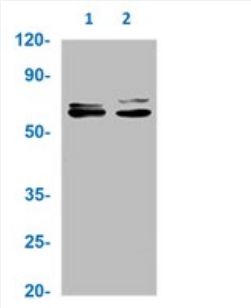
Immunofluorescence

Immunofluorescent staining of MCF-7 cells with SRC recombinant monoclonal antibody, clone 21H5 (Cat # RAB04355) (diluated at 1:39). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).



Flow Cytometry

Flow cytometric analysis of SH-SY5Y cells with SRC recombinant monoclonal antibody, clone 21H5 (Cat # RAB04355) (diluated at 1:50; purple line) and negative control (green line).



Western Blot

Western blot analysis of Lane 1: NIH/3T3 whole cell lysate and Lane 2: MCF-7 whole cell lysate with SRC recombinant monoclonal antibody, clone 21H5 (Cat # RAB04355).

Specification

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Product Description	Rabbit recombinant monoclonal antibody raised against human SRC.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SRC.
Theoretical MW (kDa)	Calculated MW: 60, 6
Reactivity	Human, Mouse
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Immunofluorescence (1:20-1:200) 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

- Immunofluorescence

  Immunofluorescent staining of MCF-7 cells with SRC recombinant monoclonal antibody, clone 21H5 (Cat # RAB04355) (diluated at 1:39). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Flow Cytometry

  Flow cytometric analysis of SH-SY5Y cells with SRC recombinant monoclonal antibody, clone 21H5 (Cat # RAB04355) (diluated at 1:50; purple line) and negative control (green line).

- Enzyme-linked Immunoabsorbent Assay

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- Western Blot

  Western blot analysis of Lane 1: NIH/3T3 whole cell lysate and Lane 2: MCF-7 whole cell lysate with SRC recombinant monoclonal antibody, clone 21H5 (Cat # RAB04355).

Gene Info — SRC

Entrez GeneID	6714
Protein Accession#	P12931
Gene Name	SRC
Gene Alias	ASV, SRC1, c-SRC, p60-Src
Gene Description	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)
Omim ID	190090
Gene Ontology	Hyperlink
Gene Summary	This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000174476|OTTHUMP00000174477|proto-oncogene tyrosine-protein kinase SRC|protooncogene SRC, Rous sarcoma|tyrosine kinase pp60c-src|tyrosine-protein kinase SRC-1

Pathway

- Adherens junction
- Endocytosis
- Epithelial cell signaling in Helicobacter pylori infection
- ErbB signaling pathway
- Focal adhesion
- Gap junction
- GnRH signaling pathway
- Tight junction

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- VEGF signaling pathway

Disease

- Genetic Predisposition to Disease
- HIV Infections
- Thyroid Neoplasms

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