

Mouse anti-Human ST13 Monoclonal Antibody | anti-ST13 antibody

ST13 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48146	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

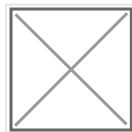
PRODUCT SYNONYMS

ST13; Monoclonal Antibody; ST13 antibody; Hsc70-interacting protein; HOP; SNC6; FAM10A1; anti-ST13 antibody

PRODUCT SPECIFICATIONS

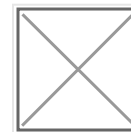
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT5C6
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	369
Applicable Applications for anti-ST13 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human HIP/ST13 (1-369aa) purified from E. coli
Clone Note	Anti-human ST13 mAb, clone AT5C6, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ST13 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of ST13 in 293T cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ST13 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of ST13 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ST13 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of ST13 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ST13 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ST13 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: HepG2 cell lysate Lane 3.: SW480 cell lysate Lane 4.: Jurkat cell lysate Lane 5.: K562 cell lysate Lane 6.: LnCap cell lysate Lane 7.: HeLa cell lysate Lane 8.: PC3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-ST13 antibody	HIP (Hsc70-interacting protein), also known as ST13, is a co-chaperone to the major heat shock proteins, HSP70 and HSP90, and appears in early receptor complexes. Through mutual binding to both HSP70 and HSP90, Hip functions as an adaptor that can integrate HSP70 and HSP90 interactions. Also, Hip has been shown to be involved in the assembly process of glucocorticoid receptor, which requires the assistance of multiple molecular chaperones.
Product Categories/Family for anti-ST13 antibody	Heat Shock Proteins
References	Nelson GM, et al., (2004) Mol Endocrinol.18 (7): 1620-30; Johnson BD, et al., (1998) J Biol Chem. 273 (6):3679-86

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923193
NCBI GeneID	6767
NCBI Accession #	NP_003923
NCBI GenBank Nucleotide #	NM_003932.4
UniProt Accession #	P50502; O14999; Q2TU77
Molecular Weight	41,332 Da
NCBI Official Full Name	hsc70-interacting protein isoform 1
NCBI Official Synonym Full Names	ST13, Hsp70 interacting protein
NCBI Official Symbol	ST13
NCBI Official Synonym Symbols	HIP; HOP; P48; AAG2; SNC6; HSPABP; FAM10A1; FAM10A4; HSPABP1; PRO0786
NCBI Protein Information	hsc70-interacting protein
UniProt Protein Name	Hsc70-interacting protein
UniProt Gene Name	ST13
UniProt Synonym Gene Names	AAG2; FAM10A1; HIP; SNC6; Hip

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.