

Rabbit anti-Human, Mouse ST5 Polyclonal Antibody | anti-ST5 antibody

ST5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323928	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

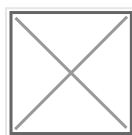
PRODUCT SYNONYMS

ST5; Polyclonal Antibody; ST5 Antibody; DENND2B; DENN domain containing protein 2B; DENN domain-containing protein 2B; DENN/MADD domain containing 2B; HeLa tumor suppression 1; HTS1; p126; ST 5; ST5_HUMAN; Suppression of tumorigenicity 5; Suppression of tumorigenicity 5 protein; anti-ST5 antibody

PRODUCT SPECIFICATIONS

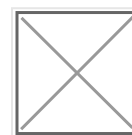
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ST5 antibody detects endogenous levels of total ST5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1137
Applicable Applications for anti-ST5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Widely expressed with the exception of peripheral blood lymphocytes. Isoform 1 is expressed in several epithelial and fibroblast (including tumorigenic) but absent in lymphoid cell lines (at protein level). Isoform 3 is expressed in primary cell or weakly tumorigenic but not in tumorigenic cell lines (at protein level).
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Bovine (90%), Horse (100%), Sheep (90%), Rabbit (100%), Dog (91%), Xenopus (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323928 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from COLO205 cells, using ST5 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ST5 antibody	Function: Guanine nucleotide exchange factor (GEF) which may activate RAB9A and RAB9B. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form. May be involved in cytoskeletal organization and tumorigenicity. Isoform 1 seems to be involved in a signaling transduction pathway leading to activation of MAPK1/ERK2. Isoform 3 may block ERK2 activation stimulated by ABL1. Isoform 3 may alter cell morphology and cell growth. Subunit Structure: Isoform 1 interacts with the SH3 domain of ABL1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47132529
NCBI GeneID	6764
NCBI Accession #	NP_005409.3
NCBI GenBank Nucleotide #	NM_005418.3
UniProt Accession #	P78524; P78523; Q16492; Q7KYY2; Q7KZ12; Q8NE12; Q9BQQ6; B2R6X7; B3KXQ6
Molecular Weight	Observed: 126 kD Predicted: 127 kDa
NCBI Official Full Name	suppression of tumorigenicity 5 protein isoform 1
NCBI Official Synonym Full Names	suppression of tumorigenicity 5
NCBI Official Symbol	ST5
NCBI Official Synonym Symbols	HTS1; p126; DENND2B
NCBI Protein Information	suppression of tumorigenicity 5 protein
UniProt Protein Name	Suppression of tumorigenicity 5 protein
UniProt Gene Name	ST5
UniProt Synonym Gene Names	DENND2B; HTS1

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/st5-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323928>