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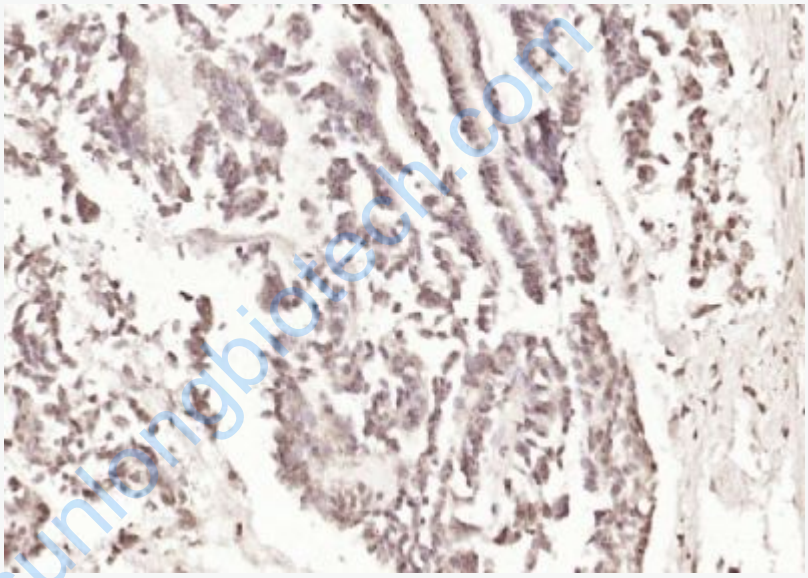
Rabbit Anti-ST5 antibody

SL6112R

Product Name:	ST5
Chinese Name:	抑癌蛋白5抗体
Alias:	DENND2B; DENN domain containing protein 2B; HeLa tumor suppression 1; DENN domain-containing protein 2B; DENN/MADD domain containing 2B; DENND2B; HTS1; p126; ST 5; ST5; ST5_HUMAN; Suppression of tumorigenicity 5; Suppression of tumorigenicity 5 protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	126kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ST5/DENND2B:1051-1137/1137
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene was identified by its ability to suppress the tumorigenicity of Hela cells in nude mice. The protein encoded by this gene contains a C-terminal region that shares similarity with the Rab 3 family of small GTP binding proteins. This protein

	preferentially binds to the SH3 domain of c-Abl kinase, and acts as a regulator of MAPK1/ERK2 kinase, which may contribute to its ability to reduce the tumorigenic phenotype in cells. Three alternatively spliced transcript variants of this gene encoding distinct isoforms are identified. [provided by RefSeq, Jul 2008]. **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 tumorogenicity. 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:** Isoform 1 interacts with the SH3 domain of ABL1. **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). **Similarity:** Contains 1 dDENN domain. Contains 1 DENN domain. Contains 1 uDENN domain. **SWISS:** P78524 **Gene ID:** 6764 **Database links:** Entrez Gene: 6764 Human Entrez Gene: 76954 Mouse Entrez Gene: 308944 Rat Omim: 140750 Human SwissProt: P78524 Human SwissProt: Q924W7 Mouse

	Unigene: 117715 Human Unigene: 252009 Mouse Unigene: 39696 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ST5) Polyclonal Antibody, Unconjugated (SL6112R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.