

ST5 rabbit pAb**Cat#: orb766380 (Manual)**

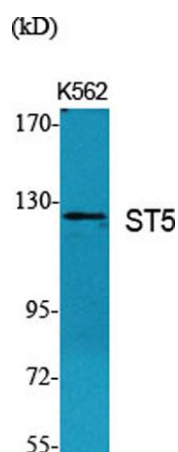
For research use only. Not intended for diagnostic use.

Product Name	ST5 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ST5. AA range:411-460
Specificity	ST5 Polyclonal Antibody detects endogenous levels of ST5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Suppression of tumorigenicity 5 protein
Gene Name	ST5
Cellular localization	[Isoform 1]: Cytoplasm, cell cortex . Cell membrane . Recycling endosome . Colocalizes with RAB13 and ITSN1 at cytoplasmic vesicles that are most likely recycling endosomes. Colocalizes with the cortical actin cytoskeleton. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	126kD
Human Gene ID	6764
Human Swiss-Prot Number	P78524
Alternative Names	ST5; DENND2B; HTS1; Suppression of tumorigenicity 5 protein; DENN domain-containing protein 2B; HeLa tumor suppression 1

Background

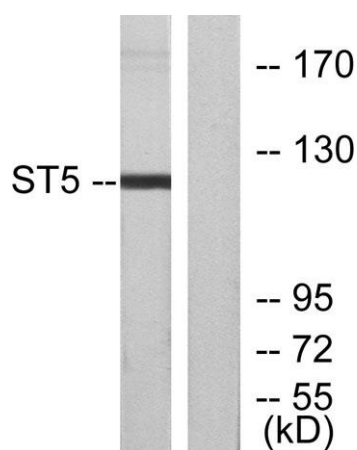
This gene was identified by its ability to suppress the tumorigenicity of HeLa cells in nude mice. The protein encoded by this gene contains a C-terminal region that shares similarity with the Rab 3 family of small GTP binding proteins. This protein preferentially binds to the SH3 domain of c-Abl kinase, 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],



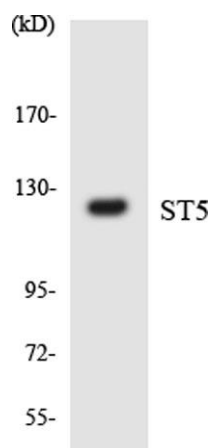
Western Blot analysis of various cells using ST5 Polyclonal Antibody



Western Blot analysis of COLO205 cells using ST5 Polyclonal Antibody



Western blot analysis of lysates from COLO205 cells, using ST5 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using ST5 antibody.