

ST5 Polyclonal Antibody

Catalog # AP72615

Specification

ST5 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality WB <u>P78524</u> Human, Mouse Rabbit Polyclonal

ST5 Polyclonal Antibody - Additional Information

Gene ID 6764

Other Names ST5; DENND2B; HTS1; Suppression of tumorigenicity 5 protein; DENN domain-containing protein 2B; HeLa tumor suppression 1

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions -20°C

ST5 Polyclonal Antibody - Protein Information

Name DENND2B (HGNC:11350)

Function

[Isoform 1]: May be involved in cytoskeletal organization and tumorogenicity. Seems to be involved in a signaling transduction pathway leading to activation of MAPK1/ERK2. Plays a role in EGFR trafficking from recycling endosomes back to the cell membrane (PubMed:>29030480).

Cellular Location

[Isoform 1]: Cytoplasm, cell cortex. Cell membrane. Recycling endosome. Note=Colocalizes with RAB13 and ITSN1 at cytoplasmic vesicles that are most likely recycling endosomes Colocalizes with the cortical actin cytoskeleton

Tissue Location

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)



ST5 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

ST5 Polyclonal Antibody - Images







ST5 Polyclonal Antibody - Background

Isoform 1: May be involved in cytoskeletal organization and tumorogenicity. Seems to be involved in a signaling transduction pathway leading to activation of MAPK1/ERK2. Plays a role in EGFR trafficking from recycling endosomes back to the cell membrane (PubMed:29030480).