

Product Name: ST5 Rabbit Polyclonal Antibody
Catalog #: APRab18324



Summary

Production Name	ST5 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ST5
Alternative Names	ST5; DENND2B; HTS1; Suppression of tumorigenicity 5 protein; DENN domain-containing protein 2B; HeLa tumor suppression 1
Gene ID	6764.0
SwissProt ID	P78524.The antiserum was produced against synthesized peptide derived from human ST5. AA range:411-460

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Molecular Weight	126kD

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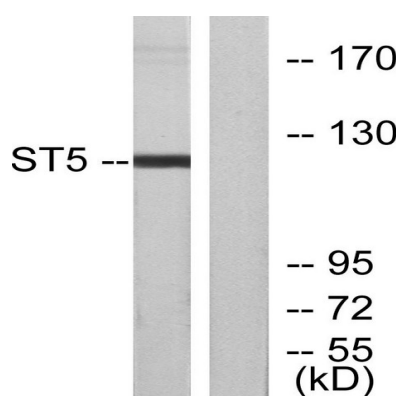


Background

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],function: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.,similarity:Contains 1 dDENN domain.,similarity:Contains 1 DENN domain.,similarity:Contains 1 uDENN domain.,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),,

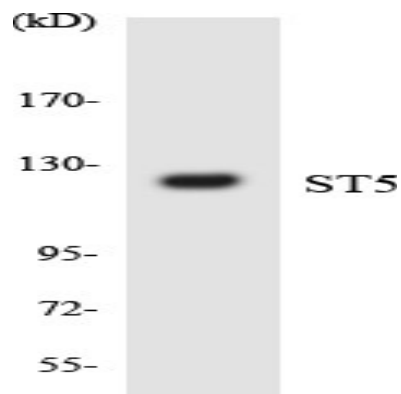
Research Area

Image Data

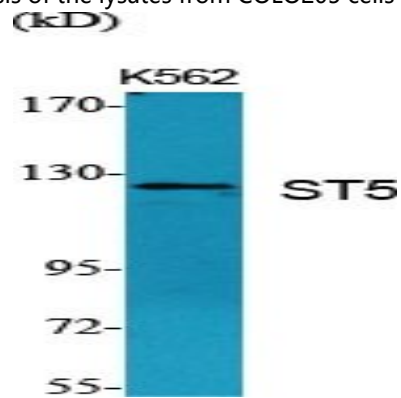


Western blot analysis of lysates from COLO205 cells, using ST5 Antibody. The lane on the right is blocked with the synthesized peptide.

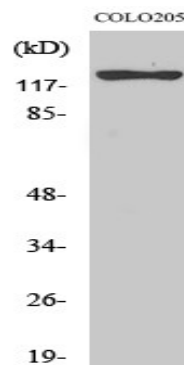
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Western blot analysis of the lysates from COLO205 cells using ST5 antibody.



Western Blot analysis of various cells using ST5 Polyclonal Antibody



Western Blot analysis of COLO205 cells using ST5 Polyclonal Antibody

Note

For research use only.