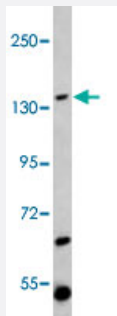


# ST5 polyclonal antibody

Catalog # PAB4829

Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of U251 cell lysate (35 ug/lane) with ST5 polyclonal antibody (Cat # PAB4829).

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of ST5.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human ST5.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein A purification
<b>Recommend Usage</b>	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of U251 cell lysate (35 ug/lane) with ST5 polyclonal antibody (Cat # PAB4829).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ST5

Entrez GeneID [6764](#)

Protein Accession# [NP\\_005409](#)

Gene Name ST5

Gene Alias DENND2B, HTS1, MGC33090, p126

Gene Description suppression of tumorigenicity 5

Omim ID [140750](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** DENN/MADD domain containing 2B

## Publication Reference

- [Deletion of the COOH terminus converts the ST5 p70 protein from an inhibitor of RAS signaling to an activator with transforming activity in NIH-3T3 cells.](#)

Majidi M, Gutkind JS, Lichy JH.

The Journal of Biological Chemistry 2000 Mar; 275(9):6560.

Application: WB-Tr, Mouse, NIH/3T3 cells

- [Expression of an isoform of the novel signal transduction protein ST5 is linked to cell morphology.](#)

Hubbs AE, Majidi M, Lichy JH.

Oncogene 1999 Apr; 18(15):2519.

Application: WB-Re, WB-Tr, Mouse, NIH/3T3 cells, Recombinant protein

- [Activation of extracellular signal-regulated kinase 2 by a novel Abl-binding protein, ST5.](#)

Majidi M, Hubbs AE, Lichy JH.

The Journal of Biological Chemistry 1998 Jun; 273(26):16608.

Application: WB, Human, COS-7 cells

## Disease

- [Tobacco Use Disorder](#)