

For Research Use Only

DLL1 Polyclonal antibody

Catalog Number: 28544-1-AP

3 Publications



Basic Information

Catalog Number:

28544-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29534

GenBank Accession Number:

NM_005618

GeneID (NCBI):

28514

UNIPROT ID:

O00548

Full Name:

delta-like 1 (Drosophila)

Calculated MW:

78 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : rat brain tissue, MG-63 cells, HeLa cells, HUVEC cells, mouse brain tissue

Background Information

The Notch pathway functions during diverse developmental and physiological processes. Notch receptor and its ligands, Delta and Jagged, are transmembrane proteins with large extracellular domains that consist primarily of epidermal growth factor (EGF)-like repeats (PMID: 16921404). Delta-like protein 1 (DLL1, also named as Delta1) is a ligand of NOTCH1, NOTCH2 and NOTCH3 receptors that binds the extracellular domain of Notch receptor in a cis and trans fashion manner (PMID: 11006133). DLL1 play a role in development of the central nervous system, somites and lymphocytes (PMID: 31353024). It is overexpressed in various cancers and is involved in the regulation of cancer progression (PMID: 32440154). DLL1 undergoes proteolytic processing in its extracellular domain by ADAM proteases and gamma-secretase (PMID: 17107962; 12794186).

Notable Publications

Author	Pubmed ID	Journal	Application
Dingwu Li	39798343	Phytomedicine	WB
Binghua Cheng	38405519	ACS Omega	WB
Yali Xu	38161194	Drug Deliv Transl Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

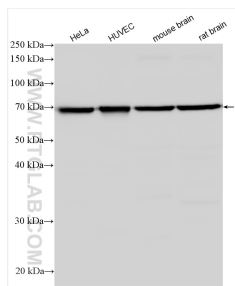
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28544-1-AP (DLL1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.