

For Research Use Only

DLL1 Polyclonal antibody

Catalog Number: 28544-1-AP **1 Publications**



Basic Information

Catalog Number: 28544-1-AP	GenBank Accession Number: NM_005618	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 28514	Recommended Dilutions: WB 1:1000-1:5000
Source: Rabbit	UNIPROT ID: O00548	
Isotype: IgG	Full Name: delta-like 1 (Drosophila)	
Immunogen Catalog Number: AG29534	Calculated MW: 78 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat brain tissue, HUVEC cells, mouse brain tissue
Cited Applications: WB	
Species Specificity: Human, Mouse, Rat	
Cited Species: human	

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
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

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

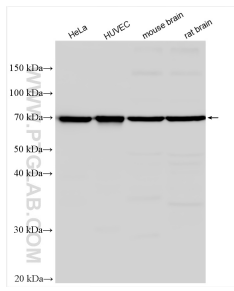
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Selected Validation Data



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.