

For Research Use Only

DLG5 Polyclonal antibody

Catalog Number: 15687-1-AP **1 Publications**



Basic Information

Catalog Number: 15687-1-AP	GenBank Accession Number: BC002915	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 9231	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: discs, large homolog 5 (Drosophila)	
Isotype: IgG	Calculated MW: 1893 aa, 209 kDa	
Immunogen Catalog Number: AG8194	Observed MW: 75 kDa, 240 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : PC-3 cells, mouse kidney tissue, HeLa cells
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human	

Background Information

Discs large homolog 5 (DLG5) belongs to the membrane-associated guanylate kinase (MAGUK) family. DLG5 participates in epithelial cell polarity maintenance and cancer development. DLG5 is highly expressed in normal tissues, but its expression is decreased in many cancers, such as bladder cancer, prostate cancer, breast cancer, and hepatocellular carcinoma (PMID: 32015336). Down-regulation of DLG5 is highly correlated with clinical tumor stage. In breast cancer, knockdown of DLG5 induces cell migration, and overexpression of DLG5 inhibits cell migration (PMID: 28169360). DLG5 has 3 isoforms with the molecular weight of 75, 214 and 240 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Rui Su	32015336	Cell Death Dis	WB

Storage

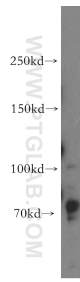
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

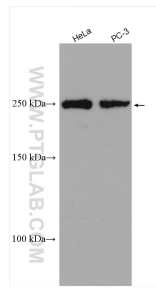
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 15687-1-AP (DLG5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 15687-1-AP (DLG5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.