For Research Use Only

DLG5 Polyclonal antibody

Catalog Number:15687-1-AP 1 Publications

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Basic Information

Catalog Number:
15687-1-AP

Size:
150ul , Concentration: 400 µg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8194

GenBank Accession Number:
BC002915

GeneID (NCBI):
9231

UNIPROT ID:
Q8TDM6

Full Name:
discs, large homolog 5 (Drosophila)

Calculated MW:
1893 aa, 209 kDa

Observed MW:
75 kDa, 240 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : PC-3 cells, mouse kidney tissue, HeLa cells

IHC : Human bowens disease,

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

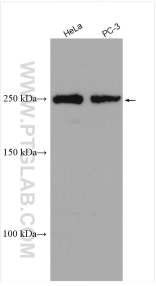
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

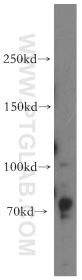
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

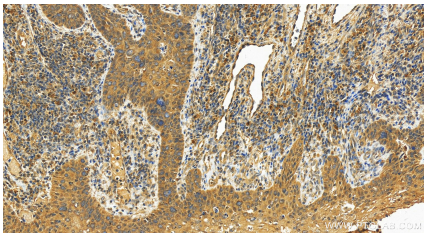
Selected Validation Data



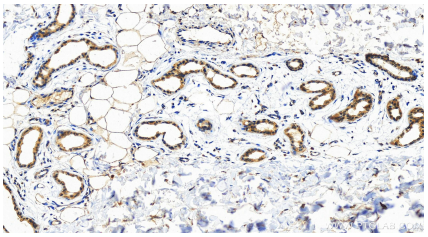
Various lysates were subjected to SDS PAGE followed by western blot with 15687-1-AP (DLG5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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.



Immunohistochemical analysis of paraffin-embedded human brown disease slide using 15687-1-AP (DLG5 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brown disease slide using 15687-1-AP (DLG5 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).