



Rabbit Anti-DLG5 antibody

SL13632R

Product Name:	DLG5
Chinese Name:	胎盘和前列腺相关蛋白DLG5抗体
Alias:	Discs large homolog 5 (Drosophila); Discs large homolog 5; Discs large protein LP DLG; Discs large protein P dlg; Discs large protein P-dlg; Disks large homolog 5; DLG 5; DLG5; DLG5_HUMAN; KIAA0583; Large type of P DLG; LP DLG; P DLG5; PDLG; Placenta and prostate DLG.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	214kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DLG5:1801-1919/1919
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Membrane-associated guanylate kinase (MAGUK) family members function as molecular scaffolds for the assembly of multiprotein complexes localizing to the plasma membrane. Several mammalian proteins related to the Drosophila tumor suppressor discs-large (dlg) gene product belong to the MAGUK family. MAGUK

family members include the postsynaptic proteins PSD-93, DLG5, Pals1, PSD-95 (SAP 90), densin-180, NE-dlg (SAP 120), dlg-1 (SAP 97), GKAP (GK-associated protein), p55, the tight junction associated proteins ZO-1-3 and the caspase-associated recruitment domain (CARD) proteins CARD6, CARD8-12 and CARD14. DLG5, a cell-cell junction peripheral membrane protein, plays an important role in maintaining the structure of epithelial cell plasma membranes. It also plays an important part in transmitting extracellular signals to the cytoskeleton and the membrane. DLG5 which can interact with MPP1 and CTNNB1, is primarily expressed in prostate and placenta.

Function:

May play a role at the plasma membrane in the maintenance of the structure of epithelial cells and in the transmission of extracellular signals to the membrane and cytoskeleton.

Subcellular Location:

Cell junction. Cell membrane. Localized at sites of cell-cell contact.

Tissue Specificity:

Highly expressed in the placenta and prostate. Expressed at a lower level in the thyroid, spinal cord, trachea, adrenal gland, skeletal muscle, pancreas, heart, brain, liver and kidney. A short splice product shows more limited expression, being absent from at least the brain.

Similarity:

Belongs to the MAGUK family.

Contains 1 CARD domain.

Contains 1 guanylate kinase-like domain.

Contains 4 PDZ (DHR) domains.

Contains 1 SH3 domain.

SWISS:

Q8TDM6

Gene ID:

9231

Database links:

[Entrez Gene: 9231](#) Human

[Entrez Gene: 71228](#) Mouse

[Entrez Gene: 305645](#) Rat

[Omim: 604090](#) Human

[SwissProt: Q8TDM6](#) Human

[Unigene: 652690](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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