

DLG5 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55227**Specification****DLG5 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8TDM6
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	213868

DLG5 Polyclonal Antibody - Additional Information**Gene ID** 9231**Other Names**

Disks large homolog 5, Discs large protein P-dlg, Placenta and prostate DLG, DLG5, KIAA0583, PDLG

Dilution

WB~1:1000
IHC-P~N/A
IHC-F~N/A
IF~1:50~200
ICC~N/A
E~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

DLG5 Polyclonal Antibody - Protein Information**Name** DLG5**Synonyms** KIAA0583, PDLG**Function**

Acts as a regulator of the Hippo signaling pathway (PubMed: [28087714](http://www.uniprot.org/citations/28087714), PubMed: [28169360](http://www.uniprot.org/citations/28169360)). Negatively regulates the Hippo signaling pathway by mediating the interaction of MARK3 with STK3/4, bringing them together to promote MARK3-dependent hyperphosphorylation and inactivation of STK3 kinase activity toward LATS1 (PubMed: [28087714](http://www.uniprot.org/citations/28087714))

target="_blank">28087714). Positively regulates the Hippo signaling pathway by mediating the interaction of SCRIB with STK4/MST1 and LATS1 which is important for the activation of the Hippo signaling pathway. Involved in regulating cell proliferation, maintenance of epithelial polarity, epithelial-mesenchymal transition (EMT), cell migration and invasion (PubMed:28169360). Plays an important role in dendritic spine formation and synaptogenesis in cortical neurons; regulates synaptogenesis by enhancing the cell surface localization of N-cadherin. Acts as a positive regulator of hedgehog (Hh) signaling pathway. Plays a critical role in the early point of the SMO activity cycle by interacting with SMO at the ciliary base to induce the accumulation of KIF7 and GLI2 at the ciliary tip for GLI2 activation (By similarity).

Cellular Location

Cell junction. Cell membrane; Peripheral membrane protein. Postsynaptic density {ECO:0000250|UniProtKB:E9Q9R9}. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:E9Q9R9}. Note=Localized at sites of cell- cell contact

Tissue Location

Highly expressed in normal breast tissues and low- grade breast cancer tissues (at protein level) (PubMed:28169360) 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.

DLG5 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DLG5 Polyclonal Antibody - Images