

Rabbit anti-Human, Mouse DLGAP5 Polyclonal Antibody | anti-DLGAP5 antibody

DLGAP5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326675	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

DLGAP5; Polyclonal Antibody; DLGAP5 Antibody; DAP-5; DAP5; Discs large homolog 7; Disks large associated protein 5; Disks large associated protein DLG7; Disks large-associated protein 5; Disks large-associated protein DLG7; DLG 1; DLG 7; DLG1; DLG7; DLGP5_HUMAN; Drosophila discs large 1 tumor suppressor like; Hepatoma up regulated protein; Hepatoma up-regulated protein; Hepatoma upregulated protein; HURP; KIAA0008; anti-DLGAP5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	DLGAP5 antibody detects endogenous levels of total DLGAP5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	842
Applicable Applications for anti-DLGAP5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DLGAP5
Subcellular Location	Nucleus. Cytoplasm. Cytoplasm > Cytoskeleton > Spindle. Localizes to the spindle in mitotic cells. Colocalizes with CDH1 at sites of cell-cell contact in intestinal epithelial cells.
Tissue Specificity	Abundantly expressed in fetal liver. Expressed at lower levels in bone marrow, testis, colon, and placenta.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)

AAA326675 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326675 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts of HEK-293, using DLGAP5 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DLGAP5 antibody

Description: DLG7 is a potential cell cycle regulator that may play a role in carcinogenesis of cancer cells and mitotic phosphoprotein regulated by the ubiquitin-proteasome pathway. The protein is also a key regulator of adherens junction integrity and differentiation that may be involved in CDH1-mediated adhesion and signaling in epithelial cells.

Function: Potential cell cycle regulator that may play a role in carcinogenesis of cancer cells. Mitotic phosphoprotein regulated by the ubiquitin-proteasome pathway. Key regulator of adherens junction integrity and differentiation that may be involved in CDH1-mediated adhesion and signaling in epithelial cells.

Subunit Structure: Interacts with CDK1. Interacts with the C-terminal proline-rich region of FBXO7. Recruited by FBXO7 to a SCF (SKP1-CUL1-F-box) protein complex in a CDK1/Cyclin B-phosphorylation dependent manner. Interacts with CDH1.

Post-translational Modifications: Ubiquitinated, leading to its degradation. Decreased phosphorylation levels are associated with the differentiation of intestinal epithelial cells.

Similarity: Belongs to the SAPAP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226371669
NCBI GeneID	9787
NCBI Accession #	NP_001139487.1
NCBI GenBank Nucleotide #	NM_001146015.1
UniProt Accession #	Q15398; Q86T11; Q8NG58; A8MTM6; B4DRM8
Molecular Weight	Observed: 95 kDa Predicted: 96 kDa
NCBI Official Full Name	disks large-associated protein 5 isoform b
NCBI Official Synonym Full Names	DLG associated protein 5
NCBI Official Symbol	DLGAP5
NCBI Official Synonym Symbols	DLG7; HURP
NCBI Protein Information	disks large-associated protein 5
UniProt Protein Name	Disks large-associated protein 5
UniProt Gene Name	DLGAP5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dlgap5-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326675>