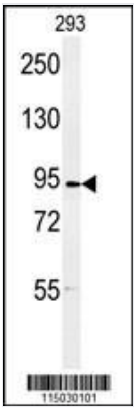
DLG7 Antibody – Rabbit Polyclonal

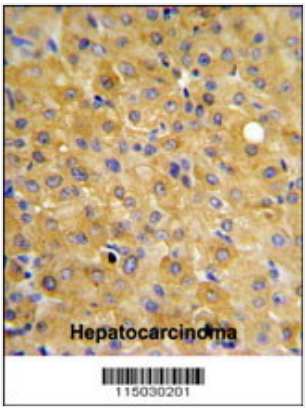
PRODUCT OVERVIEW

Product Name	DLG7, Polyclonal Antibody
Full Product Name	DLG7, ID (DLGAP5, DLG7, KIAA0008, Disks large-associated protein 5, Discs large homolog 7, Disks large-associated protein DLG7, Hepatoma up-regulated protein) (APC)
Product Gene Name	anti-DLG7 antibody
Product Synonym Gene Name	DLGAP5
Product Synonym Names	DLGAP5; DLG7; KIAA0008; Disks large-associated protein 5; Discs large homolog 7; Disks large-associated protein DLG7; Hepatoma up-regulated protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by saturated ammonium sulfate precipitation followed by dialysis against PBS.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	846
3D Structure	ModBase 3D Structure for Q15398
Immunogen	DLG7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235-265 amino acids from the Central region of human DLG7.
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-DLG7 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-DLG7 antibody	Flow Cytometry (FC/FACS), ELISA (EIA), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-DLG7 antibody	FC/FACS: 1:10-50 ELISA: 1:1,000 IHC: 1:50-100 WB: 1:50-100 Applications are based on unconjugated antibody.
Related Product Information for anti-DLG7 antibody	DLG7 is potential cell cycle regulator that may play a role in carcinogenesis of cancer cells. DLG7 is mitotic phosphoprotein regulated by the ubiquitin-proteasome pathway. DLG7 is key regulator of adherens junction integrity and differentiation that may be involved in CDH1-mediated adhesion and signaling in epithelial cells.
Product References and Citations for anti-DLG7 antibody	de Reynies, A., et al. J. Clin. Oncol. 27(7):1108-1115(2009). Wong, J., et al. Mol. Biol. Cell 19(5):2083-2091(2008). Gudmundsson, K.O., et al. Stem Cells 25(6):1498-1506(2007).

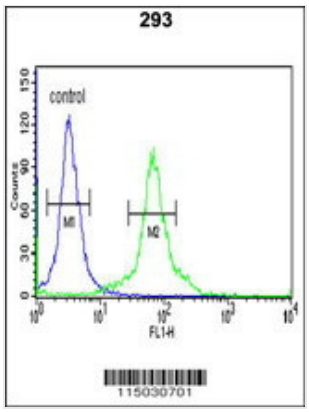
Other Notes	Small volumes of anti-DLG7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DLG7 purchase	MBS6292312 is an antibody targeting DLG7. Also known as DLG7, ID (DLGAP5, DLG7, KIAA0008, Disks large-associated protein 5, Discs large homolog 7, Disks large-associated protein DLG7, Hepatoma up-regulated protein) (APC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-DLG7 antibody
Western blot analysis of DLG7 Antibody (Center) in 293 cell line lysates (35ug/lane).DLG7 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-DLG7 antibody
DLG7 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DLG7 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-DLG7 antibody
DLG7 Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DLG7. It may not necessarily be applicable to this product.

NCBI GI #	82592583
NCBI GeneID	9787
NCBI Accession #	Q15398.2
UniProt Primary Accession #	Q15398
UniProt Secondary Accession #	Q86T11; Q8NG58; A8MTM6; B4DRM8
UniProt Related Accession #	Q15398
NCBI Official Full Name	Disks large-associated protein 5
NCBI Official Synonym Full Names	discs, large (Drosophila) homolog-associated protein 5

NCBI Official Symbol	DLGAP5
NCBI Official Synonym Symbols	DLG7; HURP
UniProt Protein Name	Disks large-associated protein 5
UniProt Synonym Protein Names	Discs large homolog 7; Disks large-associated protein DLG7; Hepatoma up-regulated protein; HURP
Protein Family	Disks large-associated protein
UniProt Gene Name	DLGAP5
UniProt Synonym Gene Names	DLG7; KIAA0008; DAP-5; HURP
UniProt Entry Name	DLGP5_HUMAN
NCBI Protein Information	disks large-associated protein 5; DAP-5; discs large homolog 7; discs, large homolog 7; hepatoma up-regulated protein; disks large-associated protein DLG7
UniProt Comments for DLG7	DLG7: a cell cycle regulator that may play a role in carcinogenesis. Elevated levels of expression detected in the G2/M phase of synchronized cultures of HeLa cells. Required for chromosome congression and alignment. Stabilizes mitotic microtubules, promotes microtubule polymerization and controls spindle formation and dynamics Mitotic phosphoprotein regulated by the ubiquitin-proteasome pathway. Interacts with CDC2 and localizes to the spindle poles in mitotic cells. Interacts with the C-terminal proline-rich region of FBXO7. Recruited by FBXO7 to a SCF (SKP1-CUL1-F-box) protein complex in a CDC2/Cyclin B-phosphorylation dependent manner. Colocalizes with E-cadherin (CDH1) at sites of cell-cell contact in intestinal epithelial cells. Key regulator of adherens junction integrity and differentiation that may be involved in CDH1-mediated adhesion and signaling in epithelial cells. Two alternatively spliced isoforms have been described. Protein type: Cell cycle regulation; Microtubule-binding Chromosomal Location of Human Ortholog: 14q22.3 Cellular Component: cytoplasm; microtubule organizing center; spindle pole centrosome; nucleus Molecular Function: protein binding; phosphoprotein phosphatase activity Biological Process: cell proliferation; dephosphorylation; cell-cell signaling; positive regulation of mitotic metaphase/anaphase transition; mitotic chromosome movement towards spindle pole
Research Articles on DLG7	**1.** Detection of urinary HURP RNA is a useful for early detection of bladder cancer and bilharzial bladder cancer.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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