

**Product Name: HURP Rabbit Polyclonal Antibody**  
**Catalog #: APRab12287**



## Summary

<b>Production Name</b>	HURP Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	DLGAP5
<b>Alternative Names</b>	DLGAP5; DLG7; KIAA0008; Disks large-associated protein 5; DAP-5; Discs large homolog 7; Disks large-associated protein DLG7; Hepatoma up-regulated protein; HURP
<b>Gene ID</b>	9787.0
<b>SwissProt ID</b>	Q15398.The antiserum was produced against synthesized peptide derived from human DLGAP5. AA range:791-840

## Application

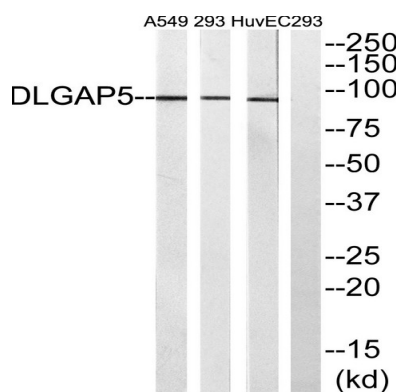
<b>Dilution Ratio</b>	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
<b>Molecular Weight</b>	95kD

## Background

developmental stage:Elevated levels of expression detected in the G2/M phase of synchronized cultures of HeLa 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.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR. Decreased phosphorylation levels are associated with the differentiation of intestinal epithelial cells.,PTM:Ubiquitinated, leading to its degradation.,similarity:Belongs to the SAPAP family.,subcellular location:Localizes to the spindle poles in mitotic cells. Colocalizes with CDH1 at sites of cell-cell contact in intestinal epithelial cells.,subunit:Interacts with CDC2. 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. Interacts with CDH1.,tissue specificity:Abundantly expressed in fetal liver. Expressed at lower levels in bone marrow, testis, colon, and placenta.,developmental stage:Elevated levels of expression detected in the G2/M phase of synchronized cultures of HeLa 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.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR. Decreased phosphorylation levels are associated with the differentiation of intestinal epithelial cells.,PTM:Ubiquitinated, leading to its degradation.,similarity:Belongs to the SAPAP family.,subcellular location:Localizes to the spindle poles in mitotic cells. Colocalizes with CDH1 at sites of cell-cell contact in intestinal epithelial cells.,subunit:Interacts with CDC2. 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. Interacts with CDH1.,tissue specificity:Abundantly expressed in fetal liver. Expressed at lower levels in bone marrow, testis, colon, and placenta.,

## Research Area

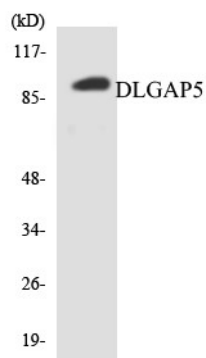
## Image Data



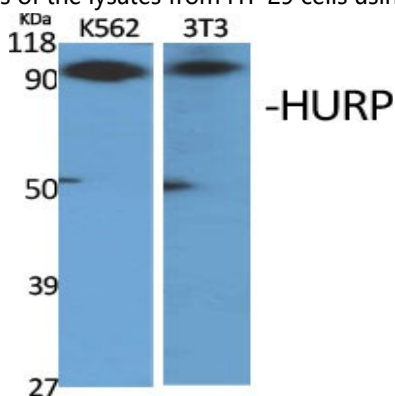
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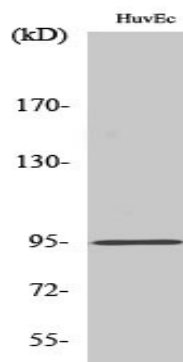
Western blot analysis of lysates from A549, 293, and HUVEC cells, using DLGAP5 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using DLGAP5 antibody.



Western Blot analysis of various cells using HURP Polyclonal Antibody



Western Blot analysis of A549 cells using HURP Polyclonal Antibody

**Note**

For research use only.