

For Research Use Only

# SAP 97 Polyclonal antibody

Catalog Number: 29292-1-AP



## Basic Information

<b>Catalog Number:</b> 29292-1-AP	<b>GenBank Accession Number:</b> NM_001098424	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 950 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1739	<b>Recommended Dilutions:</b> WB 1:2000-1:12000 IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> discs, large homolog 1 (Drosophila)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 100 kDa	
<b>Immunogen Catalog Number:</b> AG31066	<b>Observed MW:</b> 100-130 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HUVEC cells IHC : human colon cancer tissue, human breast cancer tissue IF : HEK-293 cells,
<b>Species Specificity:</b> Human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

DLG1, also named as SAP97, hDlg and DLGH1, belongs to the MAGUK family. It is essential multidomain scaffolding protein required for normal development. DLG1 may play a role in adherens junction assembly, signal transduction, cell proliferation, synaptogenesis and lymphocyte activation. It regulates the excitability of cardiac myocytes by modulating the functional expression of Kv4 channels. DLG1 is a functional regulator of Kv1.5 channel. The DLG1-MPP7 complex promotes epithelial cell polarity and tight junction formation. The antibody is specific to DLG1.

## Storage

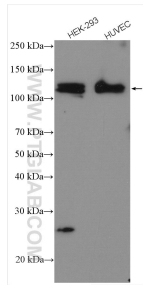
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

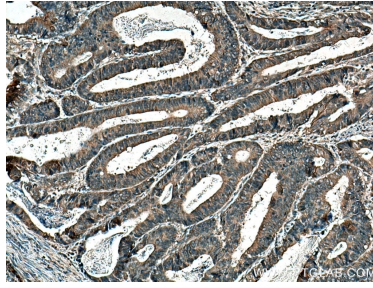
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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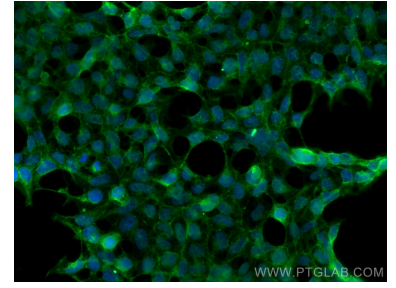
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29292-1-AP (DLG1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29292-1-AP (DLG1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using SAP 97 antibody (29292-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).