

For Research Use Only

# SAP 97 Polyclonal antibody

Catalog Number: 55085-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 55085-1-AP	<b>GenBank Accession Number:</b> NM_004087	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1739	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> discs, large homolog 1 (Drosophila)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 100 kDa	
	<b>Observed MW:</b> 120 kDa, 130-140 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse lung tissue, HeLa cells
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Rik Westland	26352300	Kidney Int	IF

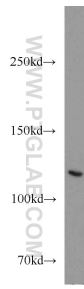
## Storage

**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
0.1M NaHCO<sub>3</sub>, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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



mouse lung tissue were subjected to SDS PAGE followed by western blot with 55085-1-AP (DLG1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.