

SAP 97 Polyclonal antibody

Catalog Number: 55085-1-AP

2 Publications

Basic Information

Catalog Number:

55085-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004087

GeneID (NCBI):

1739

UNIPROT ID:

Q12959

Full Name:

discs, large homolog 1 (Drosophila)

Calculated MW:

100 kDa

Observed MW:

120 kDa, 130-140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB : mouse lung tissue, HeLa cells

Background Information

DLG1, also named as SAP97, hDlg and DLGH1, belongs to the MAGUK family. It is an 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
Jiawei Yang	38393622	Neurochem Res	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

0.1M NaHCO₃, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

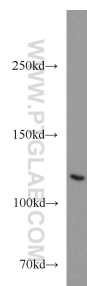
For technical support and original validation data for this product please contact:

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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.