

For Research Use Only

SAP 97 Polyclonal antibody

Catalog Number: 29292-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

29292-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31066

GenBank Accession Number:

NM_001098424

GeneID (NCBI):

1739

UNIPROT ID:

Q12959

Full Name:

discs, large homolog 1 (Drosophila)

Calculated MW:

100 kDa

Observed MW:

100-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:12000

IHC: 1:50-1:500

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, HUVEC cells

IHC : human colon cancer tissue, human breast cancer tissue

IF/ICC : HEK-293 cells,

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
Xiang Li	40633676	Mol Cells	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

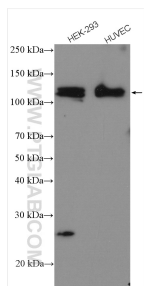
T: 4006900926

E: Proteintech-CN@ptglab.com

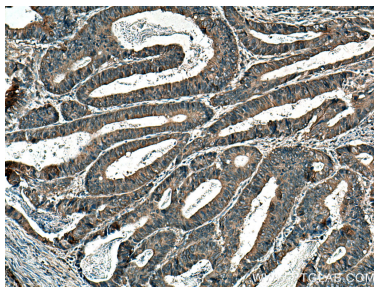
W: ptgcn.com

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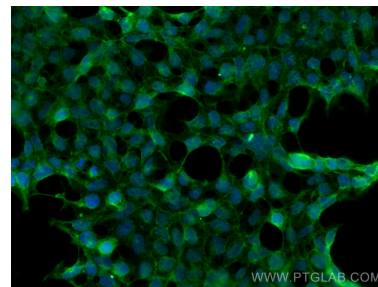
Selected Validation Data



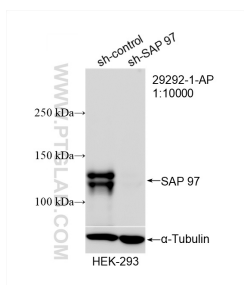
Various lysates were subjected to SDS PAGE followed by western blot with 29292-1-AP (DLG1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



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).



WB result of SAP 97 antibody (29292-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SAP 97 transfected HEK-293 cells.