

For Research Use Only

SAP 97 Polyclonal antibody

Catalog Number: 29292-1-AP

Featured Product



Basic Information

Catalog Number:

29292-1-AP

Size:

150ul, Concentration: 950 ug/ml by Nanodrop;

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

Species Specificity:

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.

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

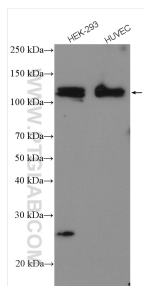
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

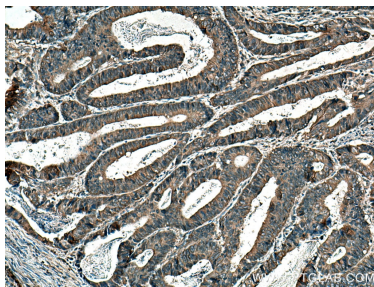
E: proteintech@ptglab.com
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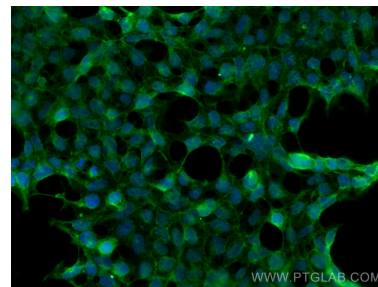
Selected Validation Data



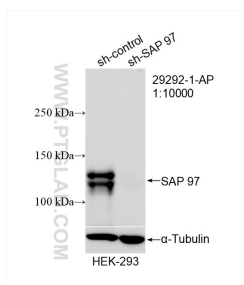
Various lysates were subjected to SDS PAGE followed by western blot with 29292-1-AP (DLG1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



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.