For Research Use Only

DVL1 Monoclonal antibody

Catalog Number:67672-1-Ig

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Basic Information

Catalog Number:
67672-1-Ig

Size:
150ul , Concentration: 1100 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG26083

GenBank Accession Number:
BC050454

GeneID (NCBI):
1855

UNIPROT ID:
O14640

Full Name:
dishevelled, dsh homolog 1 (Drosophila)

Calculated MW:
75 kDa

Observed MW:
70-75 kDa

Purification Method:
Protein G purification

CloneNo.:
1A2A5

Recommended Dilutions:
WB 1:1000-1:8000
IHC 1:500-1:2000

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
Human, rat, mouse

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, ROS1728 cells, NCCIT cells, HeLa cells, MDA-MB-231 cells

IHC : rat colon tissue, mouse colon tissue

Background Information

DVL1 is one of three DVL homologous proteins (DVL1-3) widely expressed in embryonic development and in the adult central nervous system. Dishevelled proteins are a necessary component of the Wnt and planar cell polarity developmental signaling pathways. Overexpression of DVL1 has been linked to prostate and breast cancers through the Wnt signaling pathway. There are two isoforms of DVL1: 75 kDa and 73 kDa.

Storage

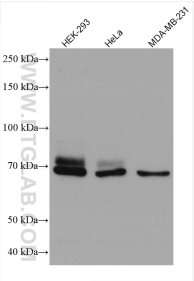
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

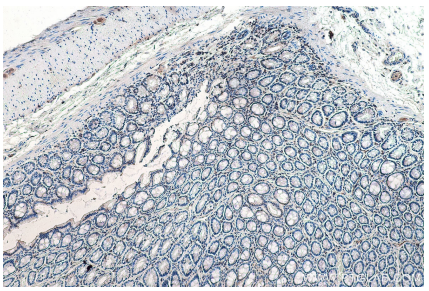
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

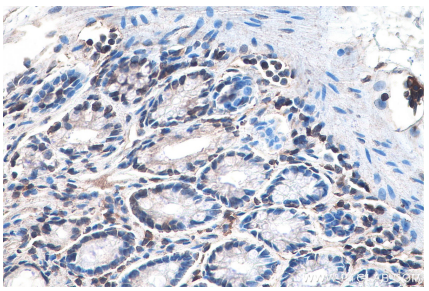
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67672-1-Ig (DVL1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 67672-1-Ig (DVL1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 67672-1-Ig (DVL1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).