

For Research Use Only

MARVELD2 Polyclonal antibody

Catalog Number: 13515-1-AP **5 Publications**



Basic Information

Catalog Number: 13515-1-AP	GenBank Accession Number: BC033689	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 647 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 153562	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Source: Rabbit	Full Name: MARVEL domain containing 2	
Isotype: IgG	Calculated MW: 558 aa, 64 kDa	
Immunogen Catalog Number: AG4446	Observed MW: 64 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, mouse kidney tissue, rat kidney tissue
Cited Applications: IF, IHC, WB	IHC : human small intestine tissue, human stomach tissue
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

MARVELD2, also named as Tricellulin or TRIC, is a 558 amino acid protein, which contains one MARVEL domain. MARVELD2 localizes the cell membrane and plays a role in the formation of the epithelial barriers. MARVELD2, is a first integral membrane protein that is concentrated at the vertically oriented tight junction strands of tricellular contacts. MARVELD2 may be a component to maintain the integrity for peripheral nervous system myelin function and morphology.

Notable Publications

Author	Pubmed ID	Journal	Application
David F. Russell	36395118	PLoS One	IF
David F Russell	35987072	Tissue Cell	IF
Zhe-Wei Zhang	35150869	Microb Pathog	WB,IHC

Storage

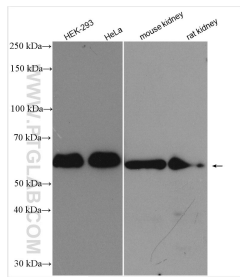
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

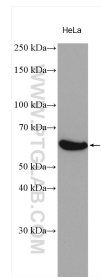
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

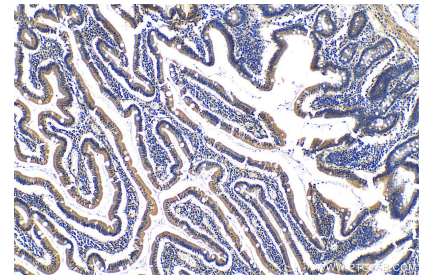
Selected Validation Data



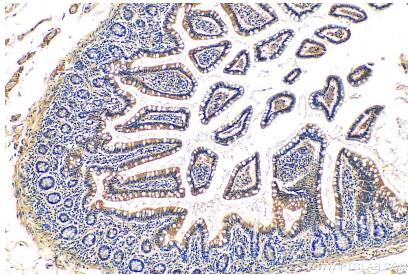
Various lysates were subjected to SDS PAGE followed by western blot with 13515-1-AP (MARVELD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



HeLa cell lysates were subjected to SDS PAGE followed by western blot with 13515-1-AP (MARVELD2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13515-1-AP (MARVELD2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 13515-1-AP (MARVELD2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).