

For Research Use Only

# MARVELD3 Polyclonal antibody

Catalog Number: 25667-1-AP

3 Publications



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>25667-1-AP   | <b>GenBank Accession Number:</b><br>BC013376    | <b>Purification Method:</b><br>Antigen affinity purification                              |
| <b>Size:</b><br>150ul , Concentration: 900 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>91862                  | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IHC 1:500-1:2000<br>IF/ICC 1:50-1:500 |
| <b>Source:</b><br>Rabbit   | <b>UNIPROT ID:</b><br>Q96A59                    |   |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>MARVEL domain containing 3 |   |
| <b>Immunogen Catalog Number:</b><br>AG22492  | <b>Calculated MW:</b><br>401 aa, 45 kDa         |   |
|  | <b>Observed MW:</b><br>40 kDa                   |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, IHC, IF/ICC, ELISA  | <b>Positive Controls:</b><br>WB : COLO 320 cells,<br>IHC : human kidney tissue,<br>IF/ICC : Caco-2 cells, |
| <b>Cited Applications:</b><br>WB   |   |
| <b>Species Specificity:</b><br>human   |   |
| <b>Cited Species:</b><br>human   |   |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |   |

## Background Information

MARVELD3 (MARVEL domain-containing protein 3), a four-span transmembrane protein of about 40 kDa, is a tight junction-associated transmembrane protein of the occludin family (PMID: 20028514). MARVELD3 functions as a determinant of epithelial paracellular permeability properties. It has been reported that MARVELD3 couples tight junctions to the MEKK1-JNK pathway to regulate cell behavior and survival (PMID: 24567356).

## Notable Publications

| Author        | Pubmed ID | Journal             | Application |
|---------------|-----------|---------------------|-------------|
| Ha-Young Park | 36529213  | Int J Biol Macromol | WB          |
| Jinming Cao   | 39434056  | Mol Med             | WB          |
| Ha-Young Park | 36700348  | FEBS Open Bio       | WB          |

## Storage

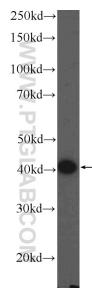
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol  
Aliquoting is unnecessary for -20°C storage

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

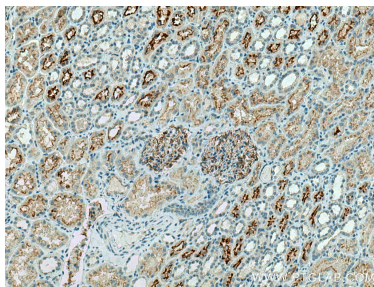
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

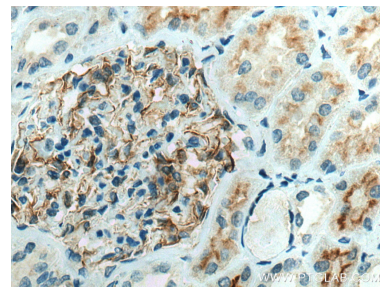
## Selected Validation Data



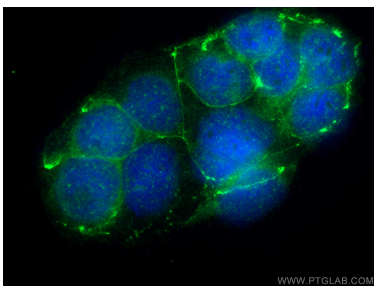
COLO 320 cells were subjected to SDS PAGE followed by western blot with 25667-1-AP (MARVELD3 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25667-1-AP (MARVELD3 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 human kidney tissue slide using 25667-1-AP (MARVELD3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed Caco-2 cells using MARVELD3 antibody (25667-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).