

For Research Use Only

TMIGD1 Polyclonal antibody

Catalog Number: 27174-1-AP

2 Publications



Basic Information

Catalog Number:

27174-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25691

GenBank Accession Number:

BC137201

GeneID (NCBI):

388364

UNIPROT ID:

Q6UXZ0

Full Name:

transmembrane and immunoglobulin domain containing 1

Calculated MW:

262 aa, 29 kDa

Observed MW:

45 kDa, 29 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : mouse kidney tissue,

IHC : mouse kidney tissue, human colon tissue

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

TMIGD1 (Transmembrane and immunoglobulin domain containing 1) is involved in various cellular processes such as regulation of cell structure, cell-cell adhesion, and cellular movement. It protects cells from oxidative- and nutrient-deprivation-induced cell injury by stabilizing the transepithelial electric resistance and permeability of renal epithelial cells. TMIGD1 has a calculated molecular mass of 29 kDa, and can be detected as 45 kDa due to the N-glycosylation (PMID: 26342724).

Notable Publications

Author	Pubmed ID	Journal	Application
Christian Hartmann	36099341	Sci Signal	WB,IF
Xin Chang	37301121	Int Immunopharmacol	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

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

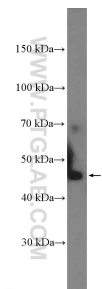
For technical support and original validation data for this product please contact:

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

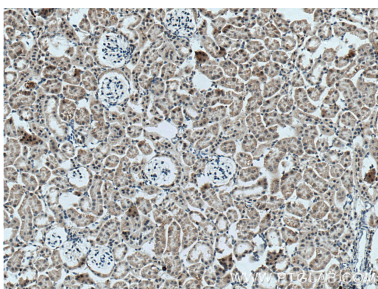
E: proteintech@ptglab.com
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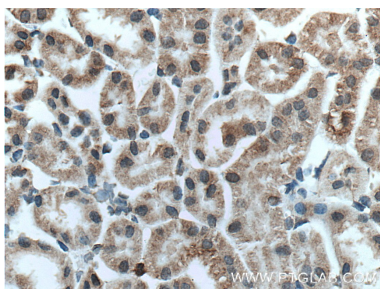
Selected Validation Data



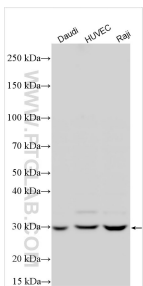
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 27174-1-AP (TMIGD1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 27174-1-AP (TMIGD1 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 mouse kidney tissue slide using 27174-1-AP (TMIGD1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 27174-1-AP (TMIGD1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.