

For Research Use Only

TMIGD1 Polyclonal antibody

Catalog Number: 27174-1-AP **2 Publications**



Basic Information

Catalog Number: 27174-1-AP	GenBank Accession Number: BC137201	Purification Method: Antigen affinity purification
Size: 260 µg/ml	GeneID (NCBI): 388364	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q6UXZO	
Isotype: IgG	Full Name: transmembrane and immunoglobulin domain containing 1	
Immunogen Catalog Number: AG25691	Calculated MW: 262 aa, 29 kDa	
	Observed MW: 45 kDa, 29 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB: mouse kidney tissue, IHC: mouse kidney tissue, human colon tissue
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse	
Cited Species: human, mouse	

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

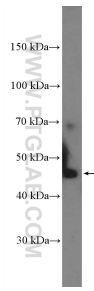
Storage

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

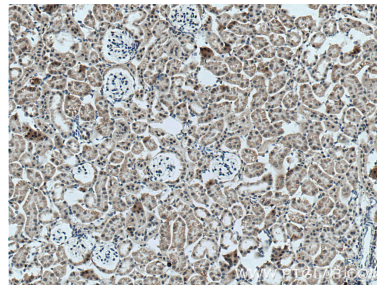
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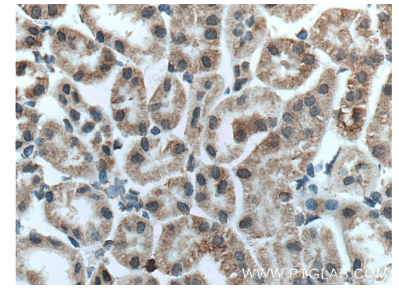
Selected Validation Data



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).