

For Research Use Only

MMP28 Polyclonal antibody

Catalog Number: 18237-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number: 18237-1-AP	GenBank Accession Number: BC002631	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79148	Recommended Dilutions: WB 1:500-1:3000 IHC 1:20-1:200 IF 1:10-1:100
Source: Rabbit	Full Name: matrix metalloproteinase 28	
Isotype: IgG	Calculated MW: 59 kDa	
Immunogen Catalog Number: AG12980	Observed MW: 48 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : A549 cells, human colon tissue, mouse heart tissue
Cited Applications: IF, IHC, WB	IHC : human kidney tissue, human ovary tissue, human skin cancer tissue, human testis tissue
Species Specificity: human, mouse, rat	IF : A549 cells,
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

MMP28(Epilysin) can degrade casein and play a role in tissues homeostasis and repair. The only specific human cell type recognized to express epilysin is the basal keratinocyte in the skin, where epilysin expression is upregulated during wound repair (PMID:16940349). Western blot showed this antibody recognize bands at 62 and 58 kDa as well as breakdown products at 50, 48, and 46 kDa (PMID:15953044). This antibody is specific to MMP28.

Notable Publications

Author	Pubmed ID	Journal	Application
Lu-Yao Wang	30303742	FASEB J	WB
Yang Li	30913394	FASEB J	WB
Kyoung-In Cho	28100513	Dis Model Mech	WB, IF

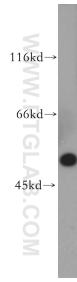
Storage

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

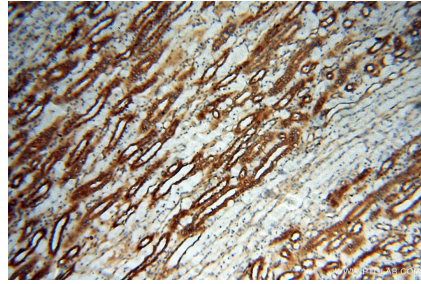
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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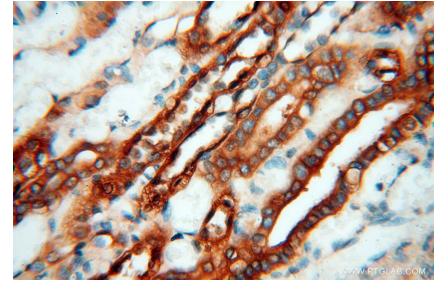
Selected Validation Data



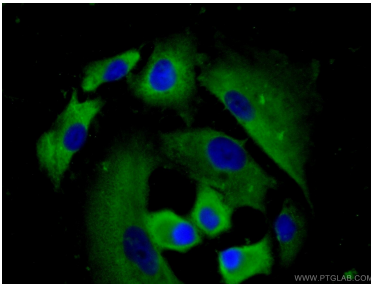
A549 cells were subjected to SDS PAGE followed by western blot with 18237-1-AP (MMP28 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 18237-1-AP (MMP28 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 18237-1-AP (MMP28 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 18237-1-AP (MMP28 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).