

For Research Use Only

MMP8 Polyclonal antibody

Catalog Number: 17874-1-AP **11 Publications**



Basic Information

Catalog Number: 17874-1-AP	GenBank Accession Number: BC074988	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 4317	Recommended Dilutions: WB 1:500-1:2400 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P22894	
Isotype: IgG	Full Name: matrix metalloproteinase 8 (neutrophil collagenase)	
Immunogen Catalog Number: AG12367	Calculated MW: 467 aa, 53 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, Jurkat cells, mouse liver tissue
Cited Applications: WB, IF, IHC	IHC : human placenta tissue, human kidney tissue, human ovary tissue, human spleen tissue, human testis tissue
Species Specificity: human, mouse, rat	
Cited Species: human, rat, 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

MMP8(Matrix metalloproteinase-8) an enzyme that degrades fibrillar collagens imparting strength to the fetal membranes, is expressed by leukocytes and chorionic cytotrophoblast cells(PMID:15367487). Purified human neutrophil MMP-8 with proMMP-8 at 70-75 KDa and active enzyme at 65 KDa and amniochorion proenzyme and active enzyme at 65 and 50 KDa,respectively(PMID: 28772283, PMID:15042023).

Notable Publications

Author	Pubmed ID	Journal	Application
Junxiong Zhao	36302628	Korean J Physiol Pharmacol	WB
Congshan Jiang	31275058	Mediators Inflamm	WB
Yaron Vagima	25974210	PLoS Pathog	WB

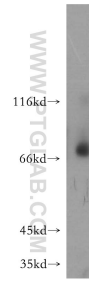
Storage

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

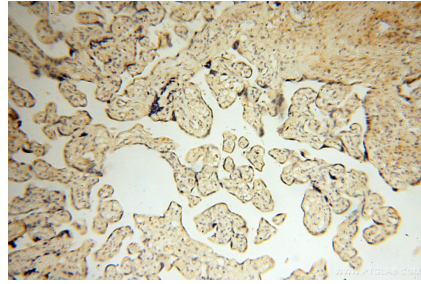
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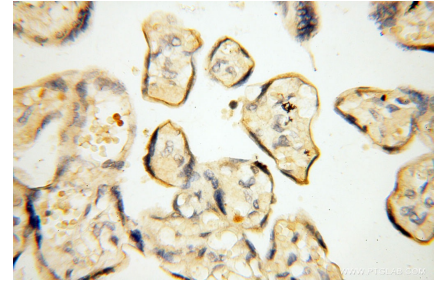
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 17874-1-AP (MMP8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta using 17874-1-AP (MMP8 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta using 17874-1-AP (MMP8 antibody) at dilution of 1:100 (under 40x lens).