

MMP19 Polyclonal Antibody

Catalog NumberPA5-28213

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 214 and 489 of Human MMP19	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 1% BSA, 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: MMP19-transfected 293T. Predicted reactivity: Rat (81%), Bovine (85%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

MMP-19 (RASI-1, MMP-18) is a 508 amino acid peptide, originally isolated as an autoantigen from the synovium of a patient suffering from rheumatoid arthritis (RA). Its presence on the surface of activated PBMCs, TH1 lymphocytes, and Jurkat T lymphoma cells in the synovium of acute RA patients, suggests that MMP-19 plays a role in RA-associated joint tissue destruction. MMP-19 exists in the smooth muscle cells of the tunica media of large blood vessels of the RA patient, but not in the endothelial cell layer. Acutely inflamed tissue synovial capillaries strongly express MMP-19 in the cytoplasm. Regulated induction of MMP-19 in capillary endothelial cells during acute inflammation suggest a role in angiogenesis. MMP-19 is a single 2.7kb transcript found in mammary gland, placenta, lung, pancreas, ovary, small intestine, spleen, thymus, prostate, testis, colon, and heart.

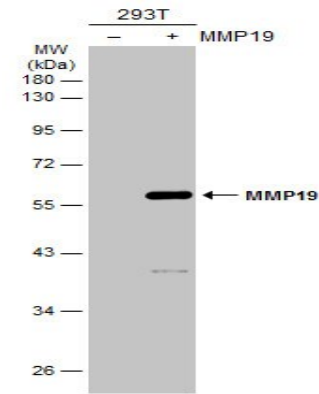
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Product Images For MMP19 Polyclonal Antibody



MMP19 Antibody (PA5-28213) in WB

Western Blot analysis of MMP19 was performed by separating 30 µg of non-transfected (-) and transfected (+) 293T whole cell extracts by 10% SDS-PAGE. Proteins were transferred to a membrane and probed with a MMP19 Polyclonal Antibody (Product # PA5-28213) at a dilution of 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



MMP19 Antibody (PA5-28213) in IHC (P)

MMP19 Polyclonal Antibody detects MMP19 protein at cytosol on human hepatoma by immunohistochemical analysis. Sample: Paraffin-embedded human hepatoma. MMP19 Polyclonal Antibody (Product # PA5-28213) dilution: 1:500. Scale bar = 100 µm. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

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