

ADAMTS5 Polyclonal Antibody

Catalog NumberPA5-32142

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Rat
Host/Isotope	Rabbit / IgG	Published species	Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	Recombinant fragment corresponding to a region within amino acids 318 and 629 of Human ADAMTS5	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
		Western Blot (WB)	1:500-1:10,000
Conjugate	Unconjugated	* 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.	
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: HeLa, HepG2, PC-12, Rat-2. Predicted reactivity: Mouse (98%), Rat (98%), Zebrafish (84%), Bovine (98%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

ADAMTS5, also known as Implantin or Aggrecanase 2, is a member of the larger family of ADAMs (A Disintegrin And Metalloproteinase) metalloproteinases containing thrombospondin (TS) repeats. ADAMTS5 (A Disintegrin And Metalloproteinase with Thrombospondin-5 motif) was first described as ADAMTS5, a protein elevated in mice during the peri-implantation period. At the same time, another group identified Aggrecanase 11, a protein elevated in arthritic synovium. The name was later changed to ADAMTS5. ADAMTS5 is expressed in human and mouse. It has been found in heart, lung, cervix, uterus, ovary, brain, cartilage, and numerous other tissues, as well as chondroblastoma cell lines.

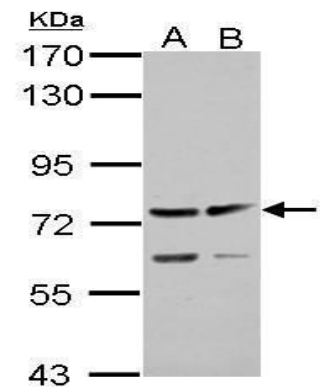
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Product Images For ADAMTS5 Polyclonal Antibody



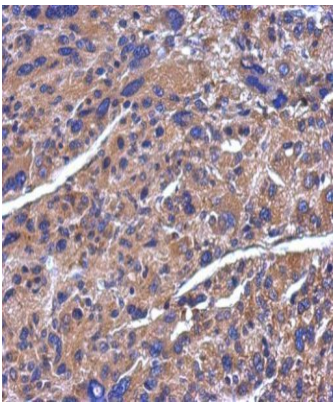
ADAMTS5 Antibody (PA5-32142) in WB

Western Blot using ADAMTS5 Polyclonal Antibody (Product # PA5-32142). Sample (30 µg of whole cell lysate). Lane A: HeLa. Lane B: HepG2 . 7.5% SDS PAGE. ADAMTS5 Polyclonal Antibody (Product # PA5-32142) diluted at 1:3,000.



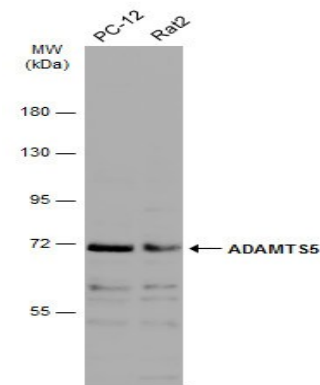
ADAMTS5 Antibody (PA5-32142) in IHC (P)

ADAMTS5 Polyclonal Antibody detects ADAMTS5 protein at cytosol on human hepatoma by immunohistochemical analysis. Sample: Paraffin-embedded human hepatoma. ADAMTS5 Polyclonal Antibody (Product # PA5-32142) dilution: 1:250. Scale bar = 100 µm. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



ADAMTS5 Antibody (PA5-32142) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human hepatoma, using ADAMTS5 (Product # PA5-32142) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



ADAMTS5 Antibody (PA5-32142) in WB

Western Blot analysis of ADAMTS5 was performed by separating 30 µg of various whole cell extracts by 7.5% SDS-PAGE. Proteins were transferred to a membrane and probed with a ADAMTS5 Polyclonal Antibody (Product # PA5-32142) at a dilution of 1:5000 and a HRP-conjugated anti-rabbit IgG secondary antibody.

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