

ADAMTS5 Polyclonal Antibody

Catalog NumberPA5-14350

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Human, Mouse, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Western Blot (WB)	Dilution *1:1,000
Immunogen	KLH conjugated synthetic peptide between 331-360 amino acids from the central region of human ADAMTS5	Published Applications	
Conjugate	Unconjugated	Miscellaneous PubMed (Misc)	See 1 publications below
Form	Liquid	* 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.	
Concentration	0.5 mg/mL		
Purification	Protein A, Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

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.

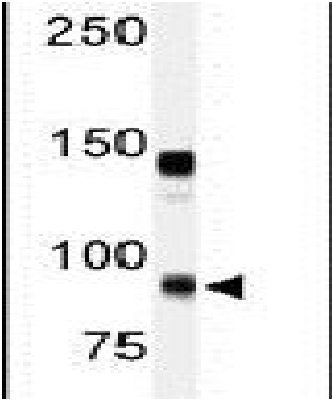
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Product Images For ADAMTS5 Polyclonal Antibody



ADAMTS5 Antibody (PA5-14350) in WB
Western blot analysis using an ADAMTS5 polyclonal antibody (Product # PA5-14350) in mouse muscle tissue lysates (35 µg per lane).

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PubMed References For ADAMTS5 Polyclonal Antibody

1 Miscellaneous PubMed References

Species / Dilution	Summary
	PA5-14350 was used in western blot to assess the role of matrix-mediated mechanotransduction in osteoarthritis pathogenesis
Mouse / Not Cited	Proceedings of the National Academy of Sciences of the United States of America (2015; 112: 9424) "Matrix cross-linking-mediated mechanotransduction promotes posttraumatic osteoarthritis." Author(s):Kim JH, Lee G, Won Y, Lee M, Kwak JS, Chun CH, Chun JS PubMed Article URL: http://dx.doi.org/10.1073/pnas.1505700112

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