

# ADAMTS5 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Human disintegrin and metalloproteinase with thrombospondin motifs 5
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 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.
RRID	AB_2544641

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	2 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	1 Publication

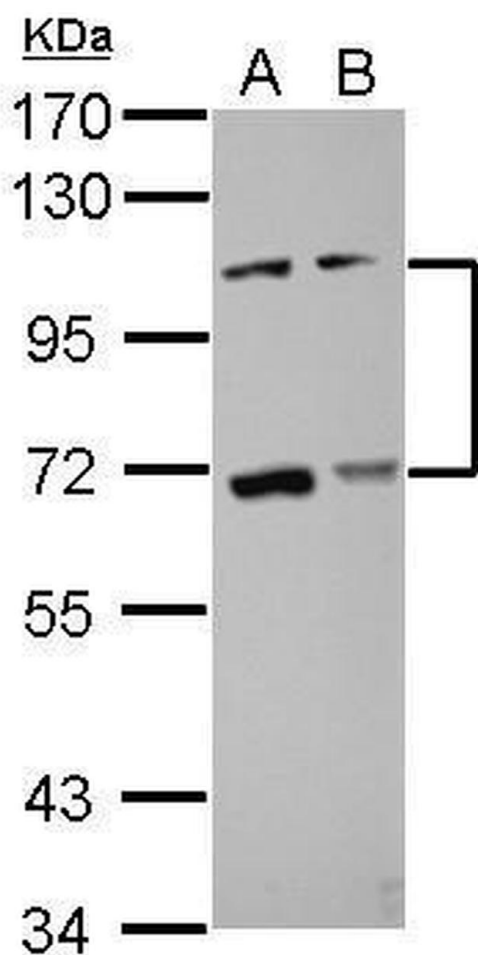
## Product Specific Information

Recommended positive controls: HCT116, MCF-7, JC.

Predicted reactivity: Mouse (100%), Rat (100%), Bovine (100%).

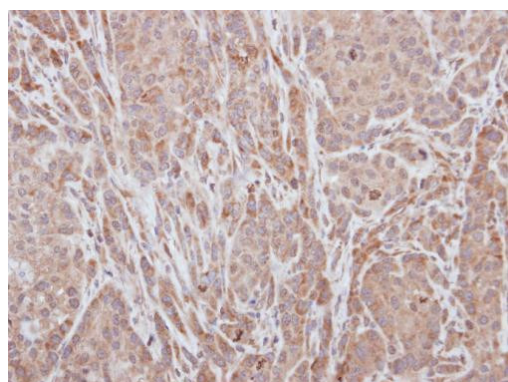
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

## Product Images For ADAMTS5 Polyclonal Antibody



#### ADAMTS5 Antibody (PA5-27165) in WB

Western Blot using ADAMTS5 Polyclonal Antibody (Product # PA5-27165). Sample (30 µg of whole cell lysate). Lane A: HCT116. Lane B: MCF-7 . 7.5% SDS PAGE. ADAMTS5 Polyclonal Antibody (Product # PA5-27165) diluted at 1:1,000.

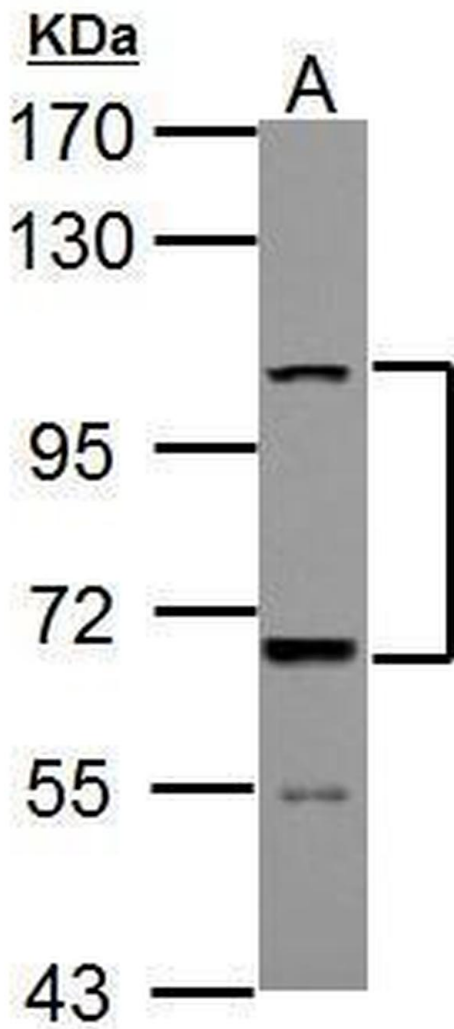


#### ADAMTS5 Antibody (PA5-27165) in IHC (P)

Immunohistochemical analysis of paraffin-embedded A549 xenograft, using ADAMTS5 (Product # PA5-27165) antibody at 1:100 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

# ADAMTS5 Antibody (PA5-27165) in WB

Western Blot using ADAMTS5 Polyclonal Antibody (Product # PA5-27165).  
Sample (30 µg of whole cell lysate). Lane A: JC . 7.5% SDS PAGE. ADAMTS5 Polyclonal Antibody (Product # PA5-27165) diluted at 1:1,000.



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Western Blot (2)

Experimental biology and medicine (Maywood, N.J.)	Year 2023
<b>Synergetic enrichment of aggrecan in nucleus pulposus cells by scAAV6-shRNA-mediated knockdown of aggrecanase-1 and aggrecanase-2.</b>	
"Published figure using ADAMTS5 polyclonal antibody (Product # PA5-27165) in Western Blot"	
Authors: Mern DS,Thomé C	
Yonsei medical journal	Year 2021
<b>Downregulation of MicroRNA-495 Alleviates IL-1 Responses among Chondrocytes by Preventing SOX9 Reduction.</b>	Species Human
"PA5-27165 was used in Western Blotting to investigate whether miRNA-495-mediated SOX9 regulation could be a novel therapeutic target for osteoarthritis using an in vitro cell culture model."	Dilution 1:1,000
Authors: Joung S,Yoon DS,Cho S,Ko EA,Lee KM,Park KH,Lee JW,Kim SH	

Immunohistochemistry (2)

Science advances	Year 2023
<b>Maintaining hypoxia environment of subchondral bone alleviates osteoarthritis progression.</b>	Species Mouse
"PA5-27165 was used in Immunohistochemistry-immunofluorescence to show that Oroxylin A, an Lcp1-encoded protein l-plastin (LPL) inhibitor, could alleviate OA progression."	Dilution 1:500
Authors: Zhang H,Wang L,Cui J,Wang S,Han Y,Shao H,Wang C,Hu Y,Li X,Zhou Q,Guo J,Zhuang X,Sheng S,Zhang T, Zhou D,Chen J,Wang F,Gao Q,Jing Y,Chen X,Su J	
Oxidative medicine and cellular longevity	Year 2022
<b>Bone Marrow Mesenchymal Stem Cell-Derived Extracellular Vesicles Carrying circ_0050205 Attenuate Intervertebral Disc Degeneration.</b>	Species Mouse
"PA5-27165 was used in Immunohistochemistry to study the mechanism underlying the effects of BMSC-derived extracellular vesicles (BMSC-EVs) on nucleus pulposus cells (NPCs) in intervertebral disc degeneration."	Dilution 1:100
Authors: Yu XJ,Liu QK,Lu R,Wang SX,Xu HR,Wang YG,Bao Y,Jiang YQ,Li MW,Kang H	

More applications with references on thermofisher.com

IHC (P) (1)

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