

DATASHEET

ADAMTS5 Rabbit Polyclonal Antibody

CAT. NO. APA13287

KEY FEATURES

Target	ADAMTS5	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Metalloproteinase that plays an important role in connective tissue organization, development, inflammation and cell migration. Extracellular matrix (ECM) degrading enzyme that show proteolytic activity toward the hyalectan group of chondroitin sulfate proteoglycans (CSPGs) including ACAN, VCAN, BCAN and NCAN degrading enzyme that show proteolytic activity toward the hyalectan group of chondroitin sulfate proteoglycans (CSPGs) including ACAN, VCAN, BCAN and NCAN . Cleavage within the hyalectans occurs at Glu-Xaa recognition motifs. Plays a role in embryonic development, including limb and cardiac morphogenesis, and skeletal muscle development through its VCAN remodeling properties.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

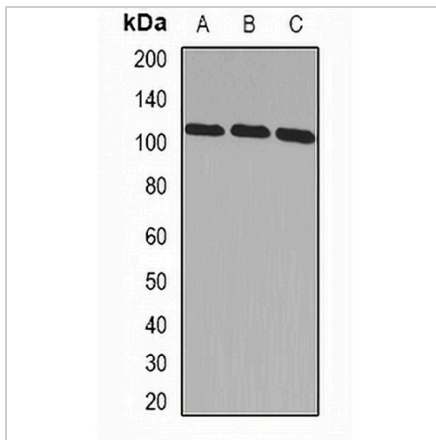
Description	Rabbit polyclonal antibody to ADAMTS5
Specificity	Recognizes endogenous levels of ADAMTS5 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human ADAMTS5
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 101 kD; Observed: 101 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ADAMTS11; ADMP2; A disintegrin and metalloproteinase with thrombospondin motifs 5; ADAM-TS 5; ADAM-TS5; ADAMTS-5; A disintegrin and metalloproteinase with thrombospondin motifs 11; ADAM-TS 11; ADAMTS-11; ADMP-2; Aggrecanase-2
Gene Symbol	ADAMTS5
Entrez Gene	11096(Human); 23794(Mouse)
SwissProt	Q9UNA0(Human); Q9R001(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of ADAMTS5 expression in HeLa (A), PC12 (B), mouse testis (C) whole cell lysates. (Predicted band size: 101 kD; Observed band size: 101 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.