

Datasheet for ABIN2854716
anti-ADAMTS5 antibody (C-Term)

3 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	ADAMTS5
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAMTS5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human ADAMTS5. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to ADAMTS5 (A disintegrin and metalloproteinase with thrombospondin motifs 5) ADAMTS5 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ADAMTS5
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Target Details

Alternative Name:	ADAM metalloproteinase with thrombospondin type 1 motif 5 (ADAMTS5 Products)
Background:	This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The enzyme encoded by this gene contains two C-terminal TS motifs and functions as aggrecanase to cleave aggrecan, a major proteoglycan of cartilage.
Molecular Weight:	102 kDa
Gene ID:	11096
UniProt:	Q9UNA0

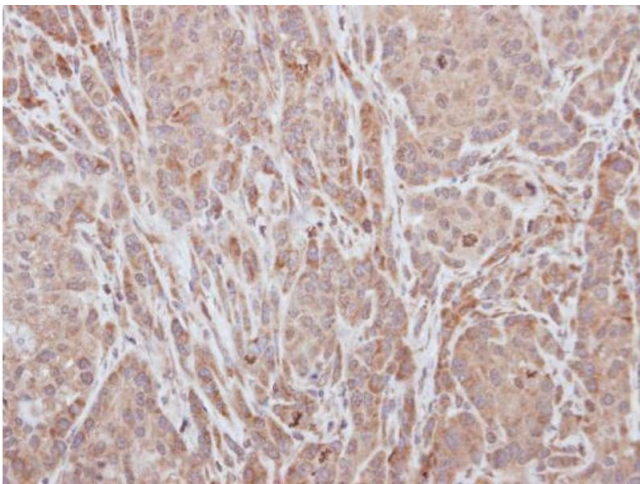
Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: HCT116, MCF-7 , JC
Restrictions:	For Research Use only

Handling

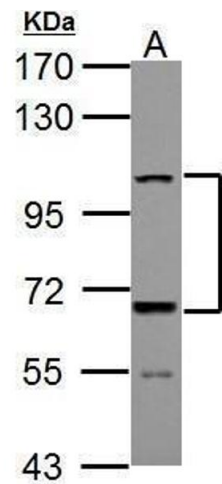
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Product cited in: Sarin, Engel, Rothweiler, Cinatl, Michaelis, Frötschl, Fröhlich, Kalayda: "Key Players of Cisplatin Resistance: Towards a Systems Pharmacology Approach." in: **International journal of molecular sciences**, Vol. 19, Issue 3, (2018) ([PubMed](#)).



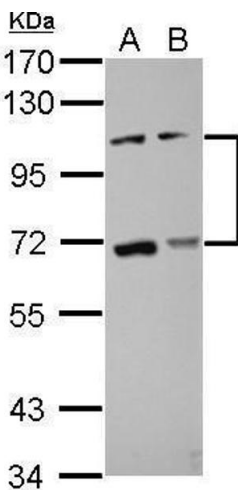
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded A549 xenograft, using ADAMTS5, antibody at 1:100 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: JC 7.5% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: HCT116 B: MCF-7 7.5% SDS PAGE antibody diluted at 1:1000