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ADAMTS20 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22215c

Product Information

Application	WB, E
Primary Accession	P59510
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB56361
Calculated MW	214720

Additional Information

Gene ID	80070
Other Names	A disintegrin and metalloproteinase with thrombospondin motifs 20, ADAM-TS 20, ADAM-TS20, ADAMTS-20, 3.4.24.-, ADAMTS20
Target/Specificity	This ADAMTS20 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 782-816 amino acids from the Central region of human ADAMTS20.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ADAMTS20 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ADAMTS20
Function	Cleaves peptide bond of the large aggregating proteoglycan, versican (at the '1428-Glu-|-Ala-1429' site) (By similarity). In addition, catalyzes the shedding of the endopeptidase MMP14 (at the '314-Tyr-|-Gly-315' site), releasing the catalytic domain from the cell surface thereby preventing the downstream pro-MMP2 activation (By similarity). Is involved in extracellular matrix

	proteolysis and ciliogenesis (By similarity). May have a protease-independent function in promoting the transport from the endoplasmic reticulum to the Golgi apparatus of a variety of secretory cargos (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:Q9P2N4}. Cell projection, cilium. Note=Localized adjacent to the basal body. {ECO:0000250|UniProtKB:P59511}
Tissue Location	Very sparingly expressed, although is detected at low levels in testis, prostate, ovary, heart, placenta, lung and pancreas (PubMed:12562771). Overexpressed in several brain, colon and breast carcinomas (PubMed:12562771).

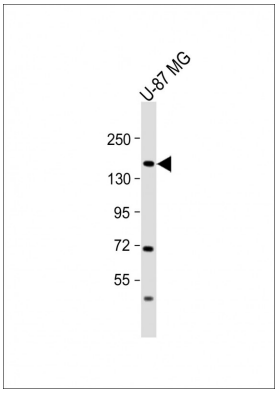
Background

May play a role in tissue-remodeling process occurring in both normal and pathological conditions. May have a protease- independent function in the transport from the endoplasmic reticulum to the Golgi apparatus of secretory cargos, mediated by the GON domain.

References

Somerville R.P.,et al.J. Biol. Chem. 278:9503-9513(2003).
Llamazares M.,et al.J. Biol. Chem. 278:13382-13389(2003).
Scherer S.E.,et al.Nature 440:346-351(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Anti-ADAMTS20 Antibody (Center) at 1:2000 dilution + U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 170 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.