

ADAMTS2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51715

Product Information

Application	WB
Primary Accession	O95450
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	134755

Additional Information

Gene ID	9509
Other Names	A disintegrin and metalloproteinase with thrombospondin motifs 2, ADAM-TS 2, ADAM-TS2, ADAMTS-2, Procollagen I N-proteinase, PC I-NP, Procollagen I/II amino propeptide-processing enzyme, Procollagen N-endopeptidase, pNPI, ADAMTS2, PCINP, PCPNI
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ADAMTS2. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ADAMTS2
Synonyms	PCINP, PCPNI
Function	Cleaves the propeptides of type I and II collagen prior to fibril assembly (By similarity). Does not act on type III collagen (By similarity). Cleaves lysyl oxidase LOX at a site downstream of its propeptide cleavage site to produce a short LOX form with reduced collagen-binding activity (PubMed: 31152061).
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Expressed at high level in skin, bone, tendon and aorta and at low levels in thymus and brain

Background

Cleaves the propeptides of type I and II collagen prior to fibril assembly. Does not act on type III collagen. May also play a role in development that is independent of its role in collagen biosynthesis.

References

Colige A.,et al.Am. J. Hum. Genet. 65:308-317(1999).
Schmutz J.,et al.Nature 431:268-274(2004).

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