

**ADAMTS2 Antibody (monoclonal) (M03)**

Mouse monoclonal antibody raised against a partial recombinant ADAMTS2.

Catalog # AT1049a

**Specification**

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**ADAMTS2 Antibody (monoclonal) (M03) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O95450</a>
Other Accession	<a href="#">NM_014244</a>
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	134755

**ADAMTS2 Antibody (monoclonal) (M03) - 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**

ADAMTS2 (NP\_055059, 1112 a.a. ~ 1210 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

ADAMTS2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

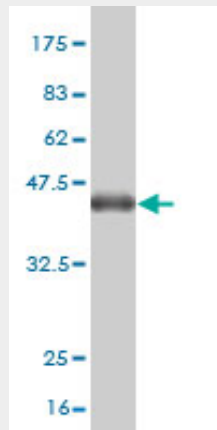
**ADAMTS2 Antibody (monoclonal) (M03) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

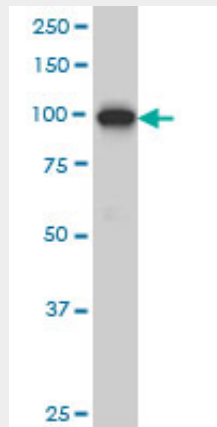
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

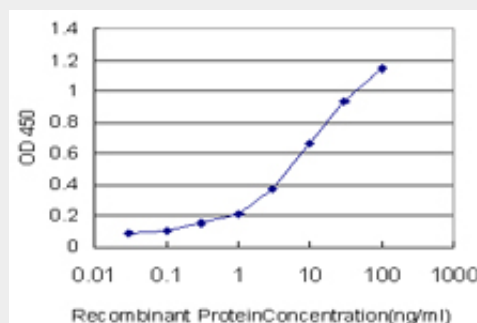
### ADAMTS2 Antibody (monoclonal) (M03) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 kDa) .



ADAMTS2 monoclonal antibody (M03), clone 7G3 Western Blot analysis of ADAMTS2 expression in PC-12 ( (Cat # AT1049a )



Detection limit for recombinant GST tagged ADAMTS2 is approximately 0.3ng/ml as a capture antibody.

### **ADAMTS2 Antibody (monoclonal) (M03) - 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 excises the N-propeptide of type I, type II and type V procollagens. Mutations in this gene cause Ehlers-Danlos syndrome type VIIC, a recessively inherited connective-tissue disorder. Alternative splicing results in multiple transcript variants.

### **ADAMTS2 Antibody (monoclonal) (M03) - References**

ADAMTS-2 functions as anti-angiogenic and anti-tumoral molecule independently of its catalytic activity. Dubail J, et al. *Cell Mol Life Sci*, 2010 Jun 24. PMID 20574651. Genome-wide association scan of the time to onset of attention deficit hyperactivity disorder. Lasky-Su J, et al. *Am J Med Genet B Neuropsychiatr Genet*, 2008 Dec 5. PMID 18937294. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. *Genome Res*, 2006 Jan. PMID 16344560. Domains and maturation processes that regulate the activity of ADAMTS-2, a metalloproteinase cleaving the aminopropeptide of fibrillar procollagens types I-III and V. Colige A, et al. *J Biol Chem*, 2005 Oct 14. PMID 16046392. Novel types of mutation responsible for the dermatosparactic type of Ehlers-Danlos syndrome (Type VIIC) and common polymorphisms in the ADAMTS2 gene. Colige A, et al. *J Invest Dermatol*, 2004 Oct. PMID 15373769.