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ADAMTS17 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ADAMTS17.
Catalog # AT1048a

Specification

ADAMTS17 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q8TE56
Other Accession	NM_139057
Reactivity	**Human, Mouse**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**121127**

ADAMTS17 Antibody (monoclonal) (M01) - Additional Information

Gene ID 170691

Other Names
A disintegrin and metalloproteinase with thrombospondin motifs 17, ADAM-TS 17, ADAM-TS17, ADAMTS-17, 3424-, ADAMTS17

Target/Specificity
ADAMTS17 (NP_620688, 543 a.a. ~ 650 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
ADAMTS17 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

ADAMTS17 Antibody (monoclonal) (M01) - Protocols

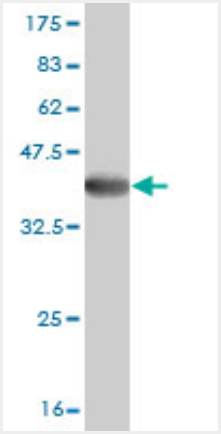
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

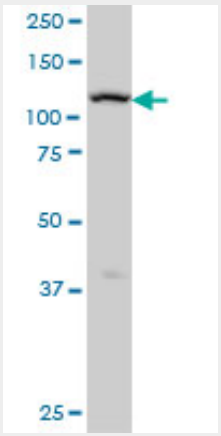
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

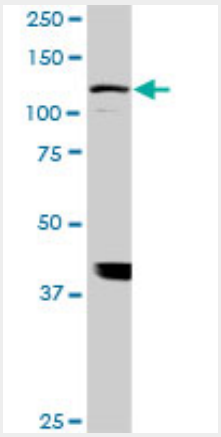
ADAMTS17 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.62 KDa) .

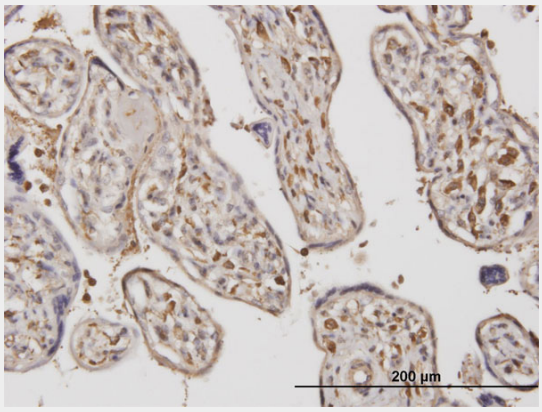


ADAMTS17 monoclonal antibody (M01), clone 3B7 Western Blot analysis of ADAMTS17 expression in A-431 ((Cat # AT1048a)

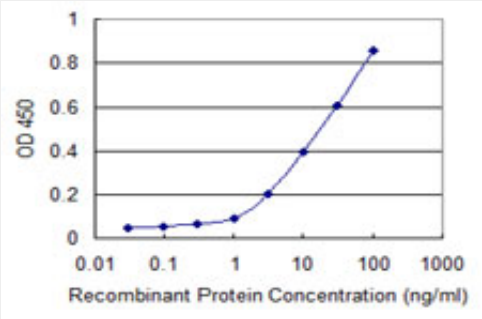


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ADAMTS17 monoclonal antibody (M01), clone 3B7. Western Blot analysis of ADAMTS17 expression in NIH/3T3 ((Cat # AT1048a)



Immunoperoxidase of monoclonal antibody to ADAMTS17 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 1.2 ug/ml]



Detection limit for recombinant GST tagged ADAMTS17 is 0.3 ng/ml as a capture antibody.

ADAMTS17 Antibody (monoclonal) (M01) - Background

This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. ADAMTS family members 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 protein encoded by this gene has a high sequence similarity to the protein encoded by ADAMTS19, another family member. The function of this protein has not been determined.

ADAMTS17 Antibody (monoclonal) (M01) - References

The role of height-associated loci identified in genome wide association studies in the determination of pediatric stature. Zhao J, et al. BMC Med Genet, 2010 Jun 14. PMID 20546612.Replication of previous genome-wide association studies of bone mineral density in premenopausal American women. Ichikawa S, et al. J Bone Miner Res, 2010 Aug. PMID 20200978.Homozygous mutations in ADAMTS10 and ADAMTS17 cause lenticular myopia, ectopia lentis, glaucoma, spherophakia, and short stature. Morales J, et al. Am J Hum Genet, 2009 Nov. PMID 19836009.Genetic determinants of height growth assessed longitudinally from infancy to adulthood in the northern Finland birth cohort 1966. Sovio U, et al. PLoS Genet, 2009 Mar. PMID 19266077.Many sequence variants affecting diversity of adult human height. Gudbjartsson DF, et al. Nat Genet, 2008 May. PMID 18391951.