ATS10 Monoclonal Antibody

Catalog No	YP-mAb-05286
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	ADAMTS10
Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 10 (ADAM-TS 10) (ADAM-TS10) (ADAMTS-10) (EC 3.4.24.-)
Immunogen	Synthesized peptide derived from human protein . at AA range: 140-220
Specificity	ATS10 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	121kD
Cell Pathway	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	Widely expressed in adult tissues.
Function	cofactor:Binds 1 zinc ion per subunit.,disease:Defects in ADAMTS10 are a cause of the autosomal recessive form of Weill-Marchesani syndrome (WMS) [MIM:277600]. WMS is characterized by the association of short stature, brachydactyly, joint stiffness, eye anomalies, including microspherophakia, ectopia of the lenses, severe myopia, and glaucoma; and, occasionally, heart defects.,domain:The spacer domain and the TSP type-1 domains are important for a tight interaction with the extracellular matrix.,similarity:Contains 1 disintegrin domain.,similarity:Contains 1 peptidase M12B domain.,similarity:Contains 1 PLAC domain.,similarity:Contains 5 TSP type-1 domains.,tissue specificity:Widely expressed in adult tissues.,
Background	This gene belongs to the ADAMTS (a disintegrin and metalloproteinase domain with thrombospondin type-1 motifs) family of zinc-dependent proteases. ADAMTS proteases are complex secreted enzymes containing a prometalloprotease domain of the reprolysin type attached to an ancillary domain with a highly conserved structure that includes at least one thrombospondin type 1 repeat.

	They have been demonstrated to have important roles in connective tissue organization, coagulation, inflammation, arthritis, angiogenesis and cell migration. The product of this gene plays a major role in growth and in skin, lens, and heart development. It is also a candidate gene for autosomal recessive Weill-Marchesani syndrome. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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