OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA392399M

ADAMTS7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:1000~1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to Human ADAMTS7.
Specificity:	ADAMTS7 polyclonal antibody detects endogenous levels of ADAMTS7 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 230 kDa
Gene Name:	ADAM metallopeptidase with thrombospondin type 1 motif 7
Database Link:	Entrez Gene 11173 Human Q9UKP4

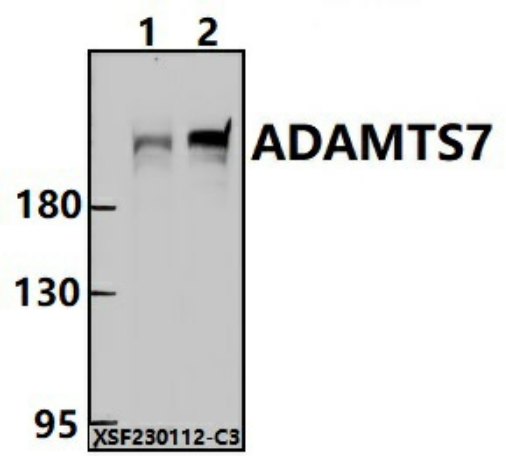
View online »

Background: ADAMTS (a disintegrin and metalloproteinase domain with thrombospondin type-1 modules) is a family of zinc-dependent proteases that are implicated in a variety of normal and pathological conditions, including arthritis and cancer. ADAMTS protein family members contain an N-terminal propeptide domain, a metalloproteinase domain, a disintegrin-like domain and a C-terminus that contains a varying number of thrombospondin type-1 (TSP-1) motifs. ADAMTS genes are primarily expressed in fetal tissues, including lung, kidney and liver. ADAMTS-7 (ADAM metallopeptidase with thrombospondin type 1 motif, 7), also known as COMPase, is a 1,686 amino acid protein that exists as two alternatively spliced isoforms. Encoded by a gene that maps to human chromosome 15q25.1, ADAMTS-7 contains eight TSP-1 motifs and binds one zinc ion per subunit. ADAMTS-7 is expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. ADAMTS-7 is also located in meniscus, bone, tendon, cartilage, synovium, fat and ligaments, and is up-regulated in articular cartilage and synovium in arthritis patients. ADAMTS-7 functions as a metalloprotease and may play a role in the degradation of COMP. ADAMTS-7 is pH dependent, with optimum pH between 7.5 and 9.5.

Synonyms: ADAM-TS 7; ADAM-TS7; ADAMTS-7; ADAMTS7; A disintegrin and metalloproteinase with thrombospondin motifs 7 (EC:3.4.24.-); COMPase

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of ADAMTS7 polyclonal antibody at 1:1000 dilution Lane1:A549 whole cell lysate(30ug) Lane2:EC9706 whole cell lysate(30ug)