



Rabbit Anti-ADAMTS7(NT) antibody

SL0733R

Product Name:	ADAMTS7(NT)
Chinese Name:	整合素样金属蛋白酶与凝血酶1型-7抗体 (N端抗体)
Alias:	A disintegrin and metalloproteinase with thrombospondin motifs 7; ADAM metalloproteinase with thrombospondin type 1 motif 7; A disintegrin and metalloproteinase with thrombospondin motifs 7 preproprotein; A disintegrin and metalloproteinase with thrombospondin motifs 7; A disintegrin like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif 7; A disintegrin like and metalloproteinase with thrombospondin type 1 motif 7; ADAM metalloproteinase with thrombospondin type 1 motif 7; ADAM metalloproteinase with thrombospondin type 1 motif 7 preproprotein; ADAM TS 7; ADAM TS7; ADAMTS 7; ADAMTS7; COMPase; DKFZp434H204; ATS7 MOUSE.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	158kDa
Cellular localization:	The cell membraneExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from rat ADAMTS7:241-340/1595
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

Metalloprotease that may play a role in the degradation of COMP. Binds 1 zinc ion per subunit. pH dependence: Optimum pH is between 7.5 and 9.5. [Subcellular location] Secreted, extracellular space, extracellular matrix (By similarity). Note=Also found associated with the external cell surface[Tissue specificity] Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Detected in meniscus, bone, tendon, cartilage, synovium, fat and ligaments. Up-regulated in articular cartilage and synovium from arthritis patients.

Function:

Metalloprotease that may play a role in the degradation of COMP.

Subunit:

Interacts with COMP.

Subcellular Location:

Secreted, extracellular space, extracellular matrix. Note=Also found associated with the external cell surface.

Tissue Specificity:

Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Detected in meniscus, bone, tendon, cartilage, synovium, fat and ligaments.

Product Detail:**Post-translational modifications:**

N-glycosylated.

O-glycosylated proteoglycan. Contains chondroitin sulfate (By similarity).

May be cleaved by a furin endopeptidase (By similarity). The precursor is sequentially processed.

Similarity:

Contains 1 disintegrin domain.

Contains 1 peptidase M12B domain.

Contains 1 PLAC domain.

Contains 8 TSP type-1 domains.

SWISS:

Q68SA9

Gene ID:

102248157

Database links:

[Entrez Gene: 11173](#)Human

[Omin: 605009](#)Human

[SwissProt: Q6P7J9](#)Human

[SwissProt: Q9UKP4](#)Human

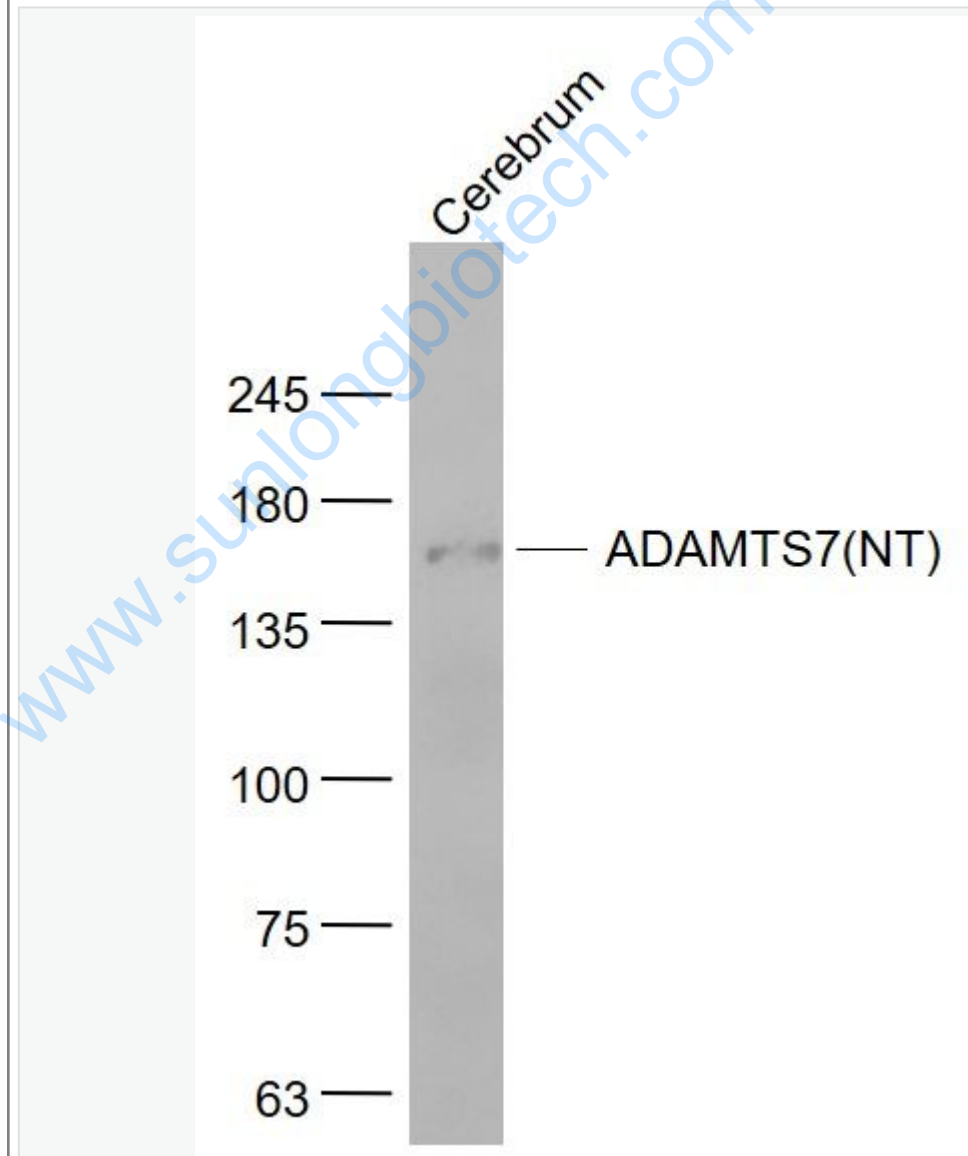
[Unigene: 16441](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

整合素样金属蛋白酶与凝血酶1型-7用于动脉粥样硬化导致早期血管基质修复作用的研究

Picture:



Sample:

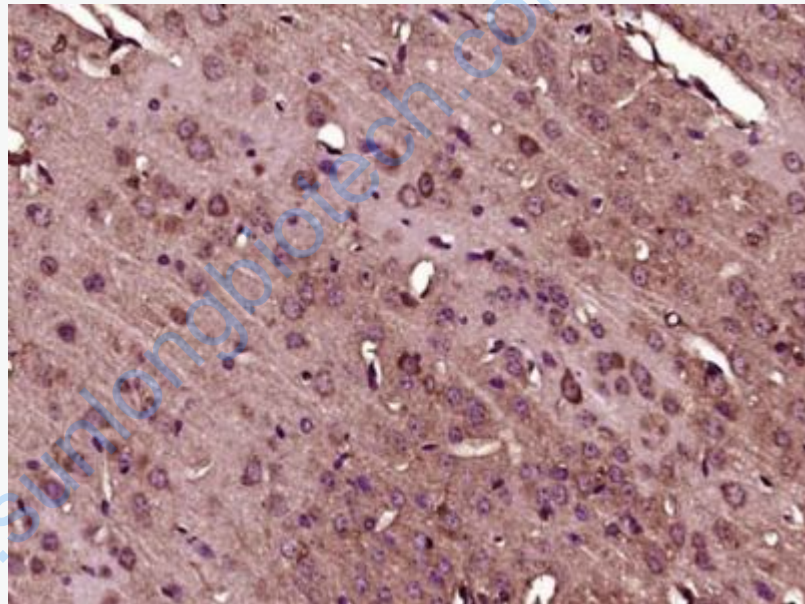
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti- ADAMTS7(NT) (SL0733R) at 1/1000 dilution

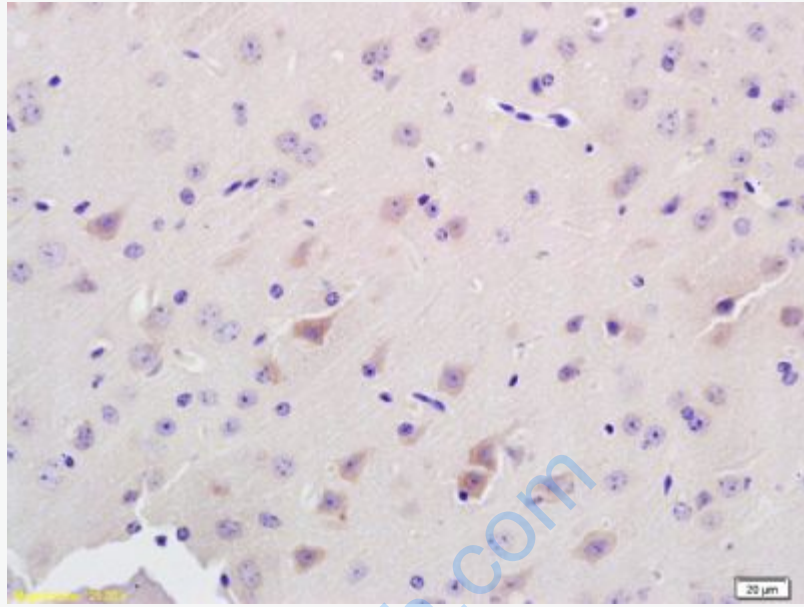
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 158 kD

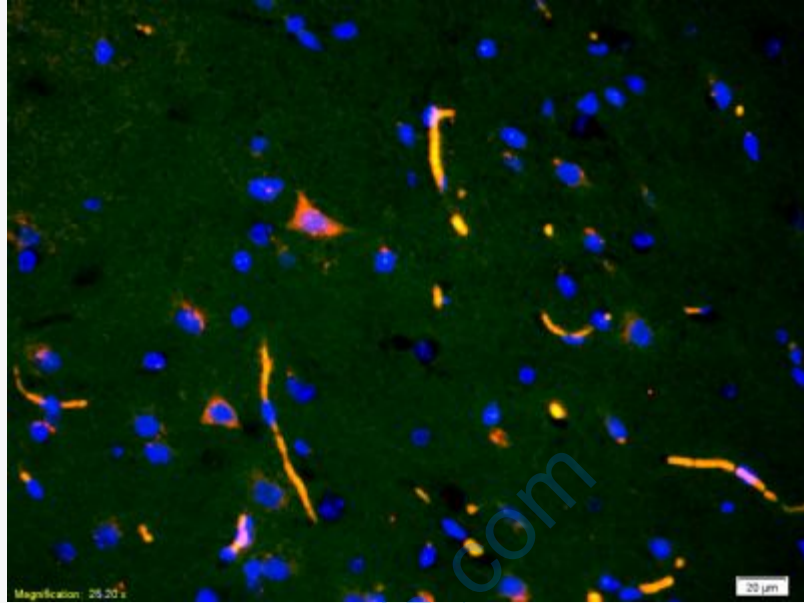
Observed band size: 158 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ADAMTS7(NT)) Polyclonal Antibody, Unconjugated (SL0733R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-ADAMTS7 Polyclonal Antibody, Unconjugated(SL0733R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue;4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min;

Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-ADAMTS7 Polyclonal Antibody, Unconjugated(SL0733R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(SL0733R)used at 1:200 dilution for 40 minutes at 37°C.

DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei