

Rabbit Anti-ADAMTS7 antibody

SL0433R

Product Name ADAMTS7

Chinese Name 整合素样金属蛋白酶与凝血酶 1 型-7 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_HUMAN.

Research Area Cell biology Signal transduction Kinases and Phosphatases

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human, Rat, (predicted: Mouse, Cow,)

Applications IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 158kDa

Cellular localization The cell membrane Extracellular matrix Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human ADAMTS7: 1601-1686/1686

Lsotype IgG

Purification affinity purified by Protein A

Buffer 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Solution

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

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.

**Product
Detail**

Tissue Specificity:

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

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:

Q9UKP4

Gene ID:

11173

Database links:

[Entrez Gene: 11173](#) Human

[Omim: 605009](#) Human

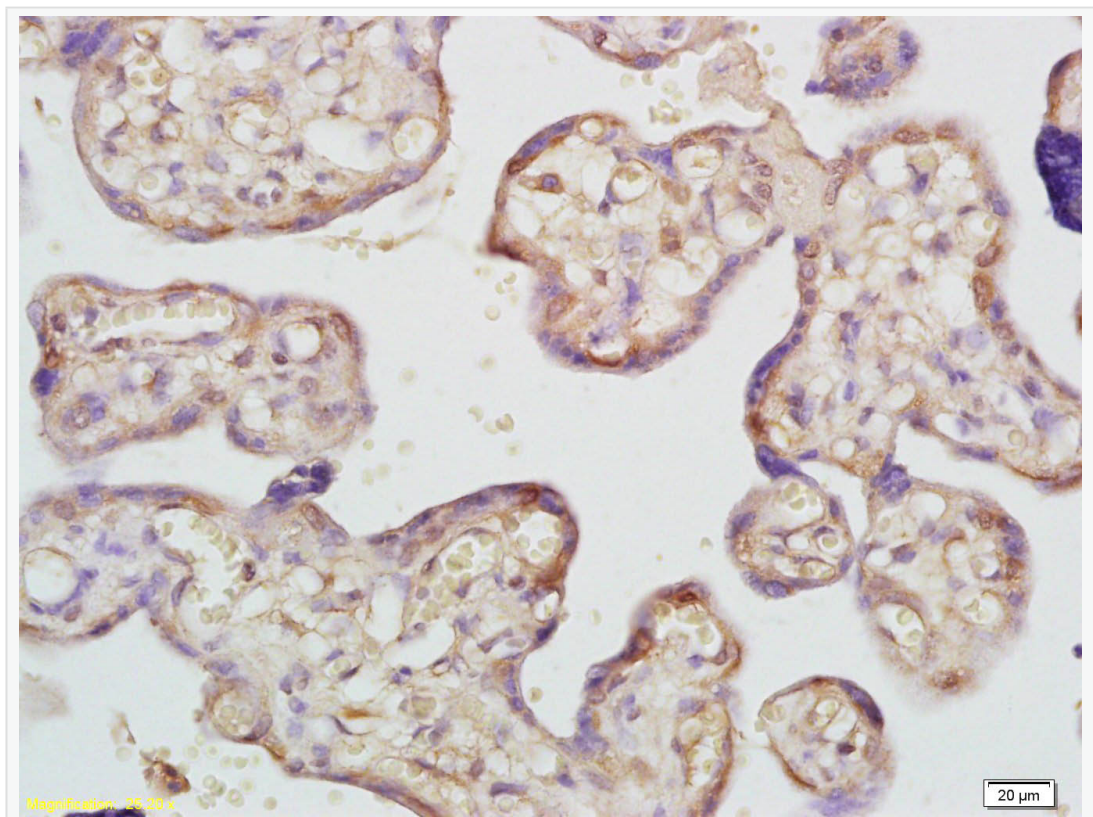
[SwissProt: Q6P7J9](#) Human

[SwissProt: Q9UKP4](#) Human

[Unigene: 16441](#) Human

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

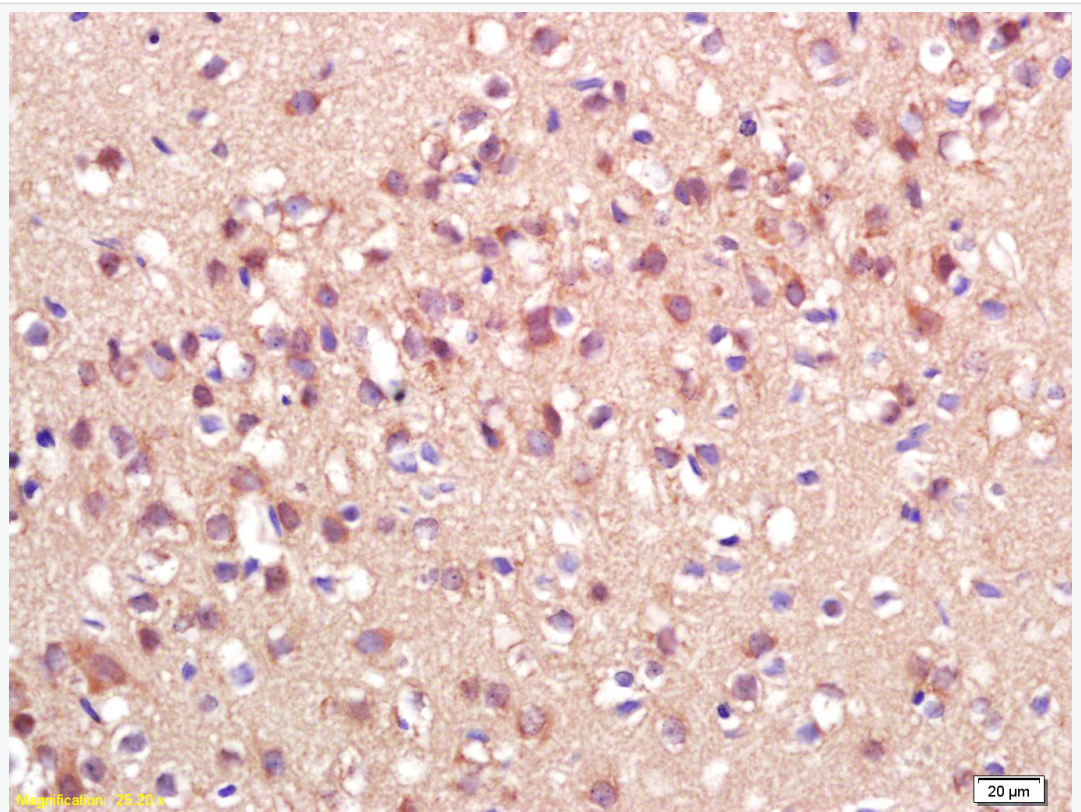
**Product
Picture**



Tissue/cell: human placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, 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(SL0433R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

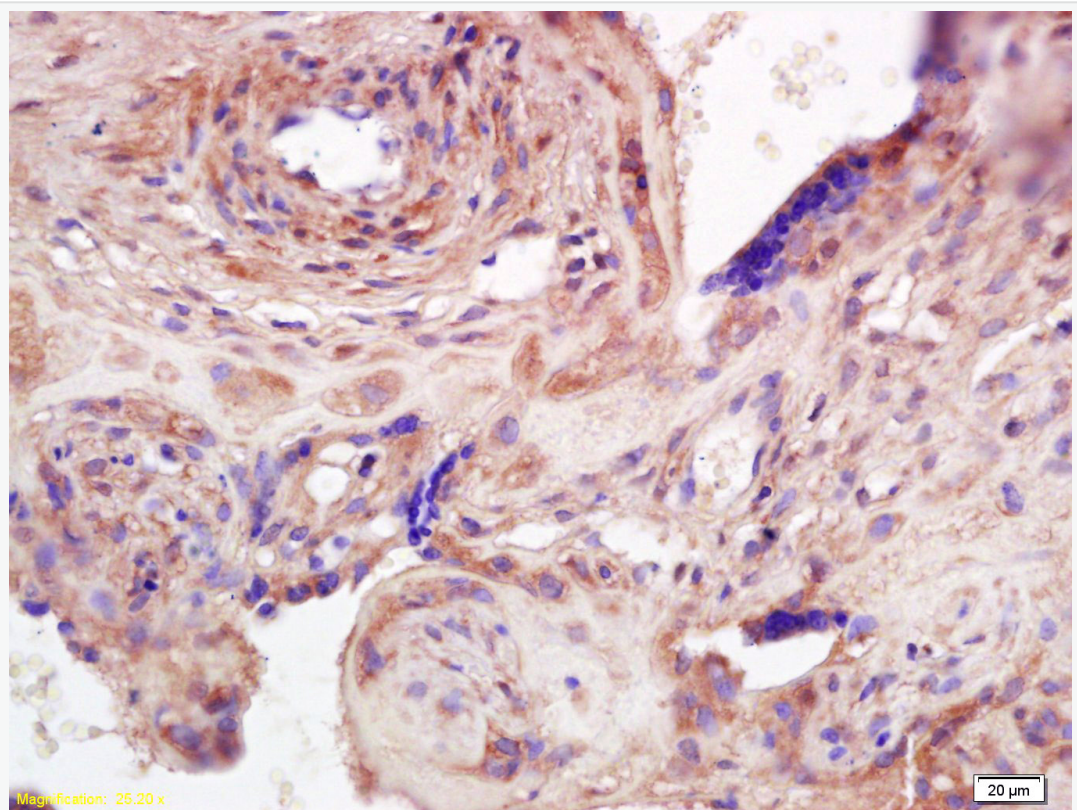


Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer

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

Incubation: Anti-ADAMTS7 Polyclonal Antibody, Unconjugated(SL0433R)

1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, 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(SL0433R)
1:200, overnight at 4°C, followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining