



Rabbit Anti-ADAMTSL4 antibody

SL5864R

Product Name:	ADAMTSL4
Chinese Name:	整合素样金属蛋白酶与凝血酶样4蛋白抗体
Alias:	ADAMTS like 4; ADAMTS like protein 4; ADAMTSL-4; ADAMTSL 4; Thrombospondin repeat containing 1; thrombospondin repeat protein 1; TSRC1; ATL4 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
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:	114kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ADAMTSL4:351-450/1074
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
Product Detail:	ADAMTSL4 is a member of ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs)-like family and has seven thrombospondin type 1 repeats. The thrombospondin type 1 repeat domain is found in many proteins with diverse biological functions including cellular adhesion, angiogenesis, and patterning of the developing nervous system. Alternate transcriptional splice variants, encoding different isoforms,

have been characterized. ADAMTSL4 is involved in the positive regulation of apoptosis.

Function:

Positive regulation of apoptosis. May facilitate FBN1 microfibril biogenesis.

Subunit:

Interacts with CTSB. Interacts with FBN1.

Subcellular Location:

Secreted, extracellular space, extracellular matrix. Note=Colocalizes with FMN1 microfibrils in the eye ECM.

Tissue Specificity:

Expressed in colon, heart, leukocyte, liver, lung, skeletal muscle, spleen, testis and placenta. Weaker expression in bone marrow, brain tissue, kidney and pancreas. Expression studies in fetal tissues reveal strong expression in heart, kidney, liver, lung and skeletal muscle, but weaker expression in fetal brain and skin.

Post-translational modifications:

N-glycosylated. Can be O-fucosylated by POFUT2 on a serine or a threonine residue found within the consensus sequence C1-X(2)-(S/T)-C2-G of the TSP type-1 repeat domains where C1 and C2 are the first and second cysteine residue of the repeat, respectively. Fucosylated repeats can then be further glycosylated by the addition of a beta-1,3-glucose residue by the glucosyltransferase, B3GALTL. Fucosylation mediates the efficient secretion of ADAMTS family members. Also can be C-glycosylated with one or two mannose molecules on tryptophan residues within the consensus sequence W-X-X-W of the TPRs. N- and C-glycosylations can also facilitate secretion (By similarity).

DISEASE:

Defects in ADAMTSL4 are a cause of ectopia lentis, isolated, autosomal recessive (ECTOL2) [MIM:225100]. A rare condition characterized by partial or complete displacement of the lens from its space resulting from defective zonule formation.

Similarity:

Contains 1 PLAC domain.
Contains 6 TSP type-1 domains.

SWISS:

Q6UY14

Gene ID:

54507

Database links:

[Entrez Gene: 54507](#)Human

[Omin: 610113](#)Human

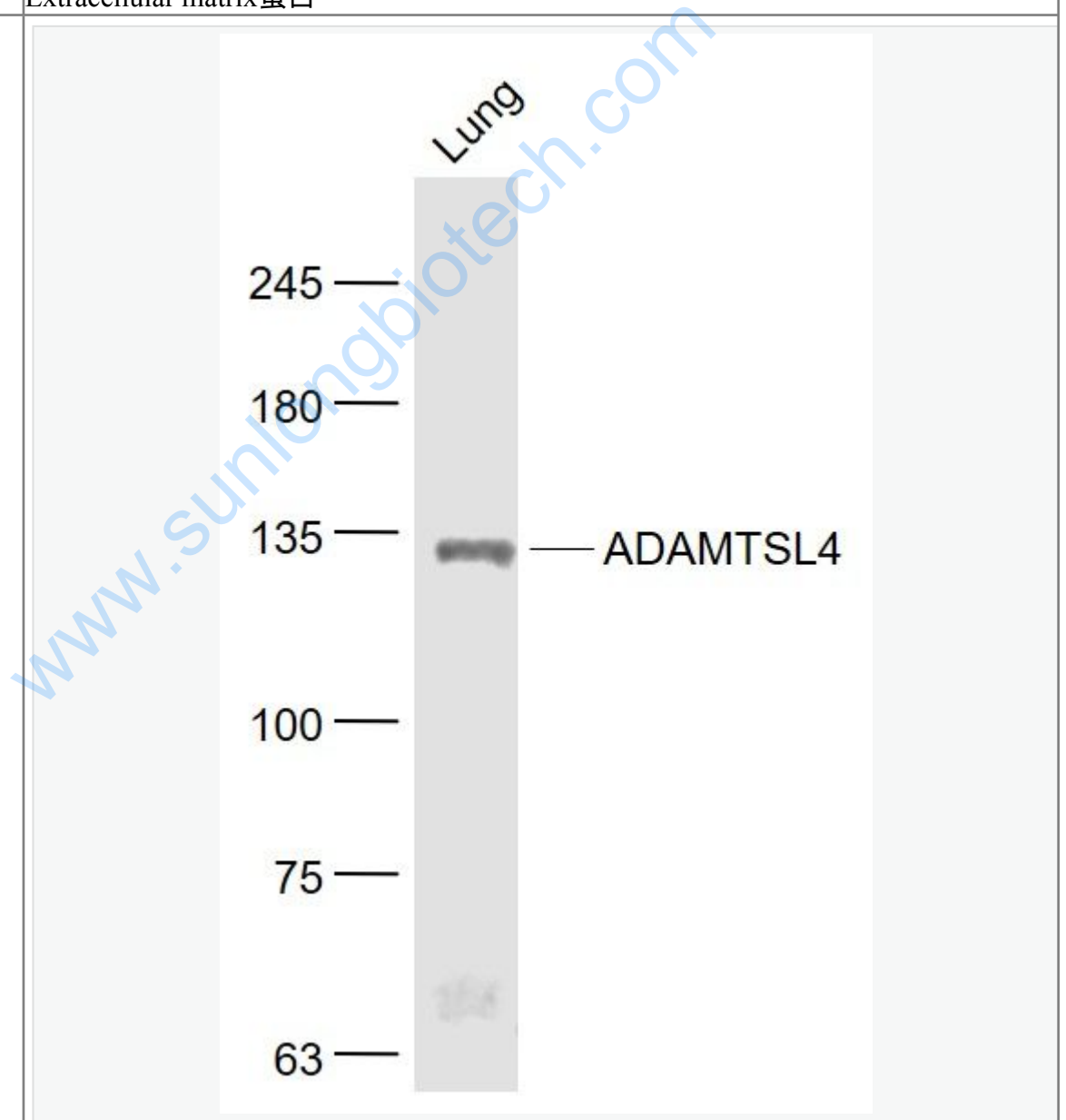
[SwissProt: Q6UY14](#)Human

Important Note:

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

Extracellular matrix蛋白

Picture:



Sample:

Lung (Mouse) Lysate at 40 ug

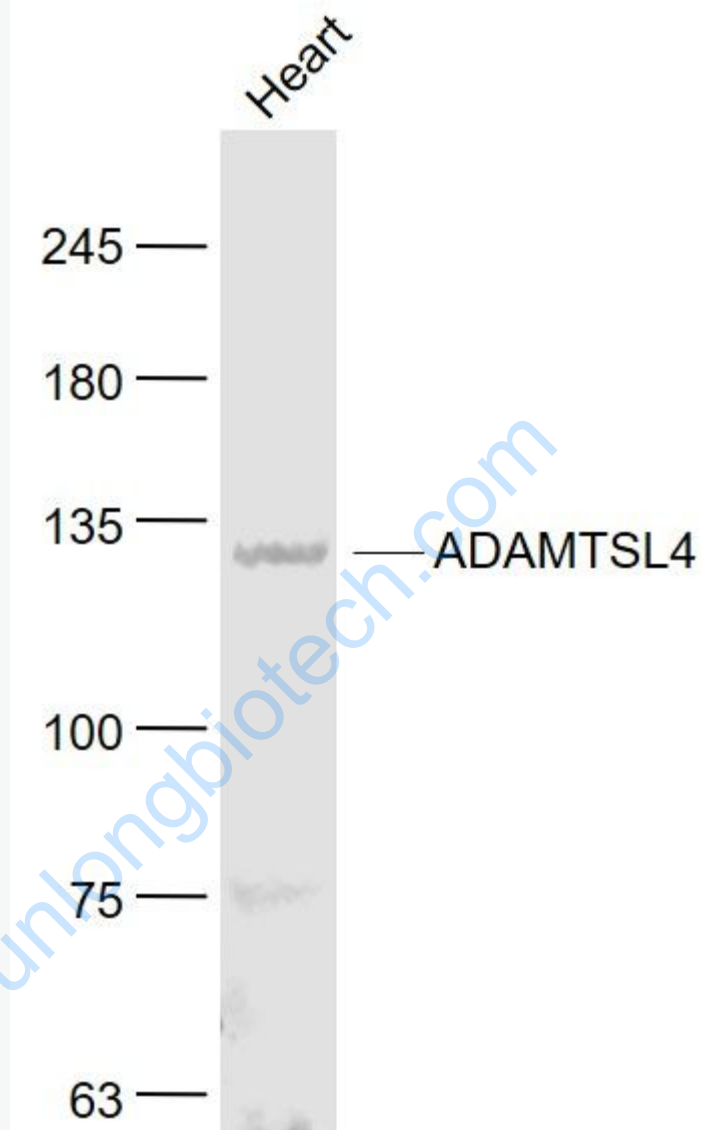
Primary: Anti- ADAMTSL4 (SL5864R) at 1/1000 dilution

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

Predicted band size: 114 kD

Observed band size: 124 kD

www.sunlongbiotech.com



Sample:

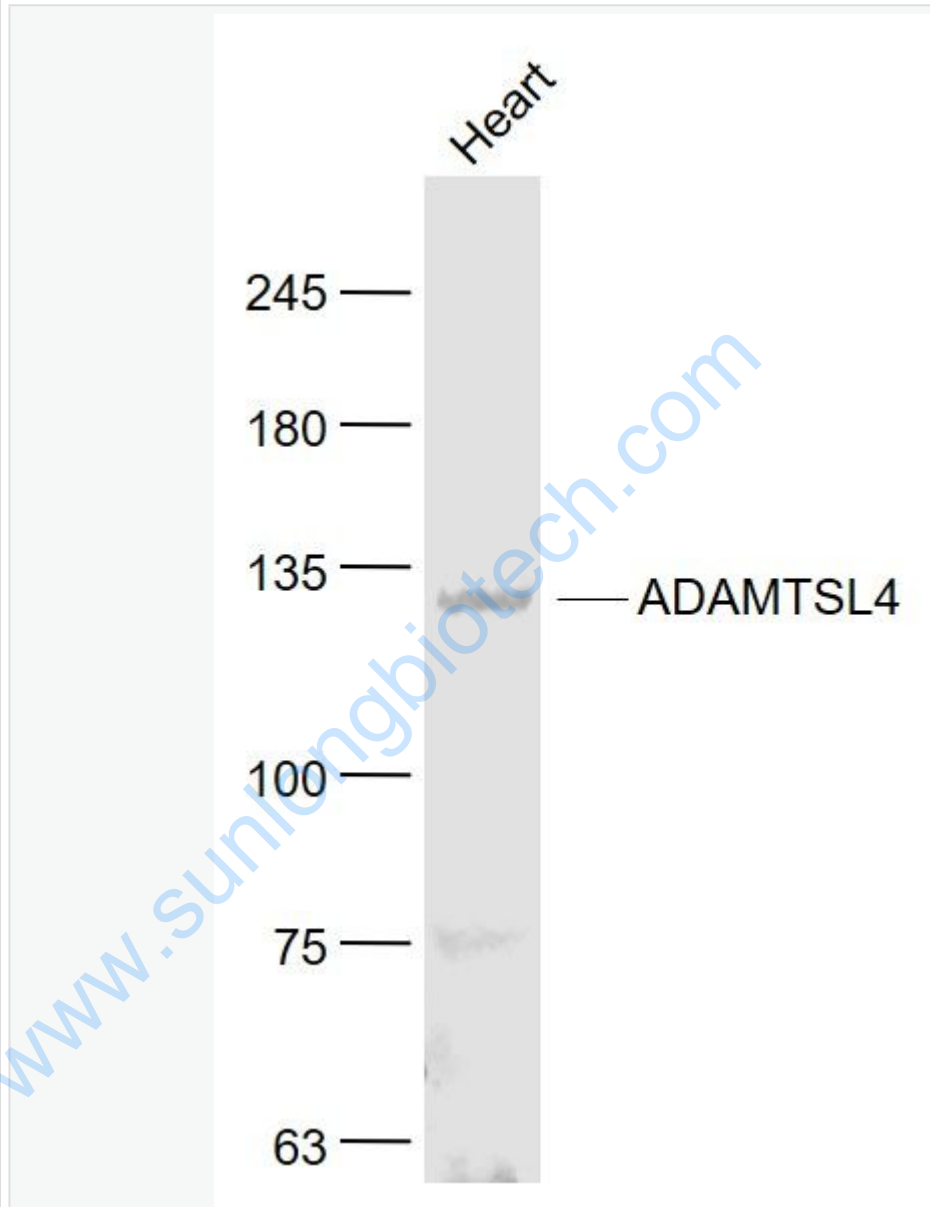
Heart (Mouse) Lysate at 40 ug

Primary: Anti- ADAMTSL4 (SL5864R) at 1/1000 dilution

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

Predicted band size: 114 kD

Observed band size: 124 kD



Sample:

Heart (Mouse) Lysate at 40 ug

Primary: Anti- ADAMTSL4 (SL5864R) at 1/1000 dilution

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

	<p>Predicted band size: 114 kD</p>
--	------------------------------------

	<p>Observed band size: 124 kD</p>
--	-----------------------------------

www.sunlongbiotech.com