

ADAMTS-L5 (L-16): sc-241779

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 amino-terminal propeptide domain, a metalloproteinase domain, a disintegrin-like domain and a carboxy-terminus that contains a varying number of thrombospondin type 1 (TSP-1) motifs. ADAMTS-L5 (ADAMTS-like protein 5), also known as thrombospondin type-1 domain-containing protein 6 or THSD6, is a 471 amino acid secreted protein. Encoded by a gene that maps to human chromosome 19p13.3, ADAMTS-L5 contains a single TSP-1 domain and participates in protein and zinc ion binding. Although strongly similar to members of the ADAMTS family, ADAMTS-L5 lacks the metalloprotease and disintegrin-like domains typical of the family.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ADAMTSL5 (human) mapping to 19p13.3; Adamt5 (mouse) mapping to 10 C1.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

SOURCE

ADAMTS-L5 (L-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ADAMTS-L5 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-241779 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ADAMTS-L5 (L-16) is recommended for detection of ADAMTS-L5 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ADAMTS-L5 siRNA (h): sc-97258, ADAMTS-L5 siRNA (m): sc-140871, ADAMTS-L5 shRNA Plasmid (h): sc-97258-SH, ADAMTS-L5 shRNA Plasmid (m): sc-140871-SH, ADAMTS-L5 shRNA (h) Lentiviral Particles: sc-97258-V and ADAMTS-L5 shRNA (m) Lentiviral Particles: sc-140871-V.

Molecular Weight of ADAMTS-L5: 52 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.