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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-ADAMTS4/ADAMTS4 Antibody Picoband® APC Conjugated

Catalog Number: A02899-APC

About ADAMTS4

ADAMTS4, A disintegrin and metalloproteinase with thrombospondin motifs 4, is an enzyme that in humans is encoded by the ADAMTS4 gene. ADAMTS4 is a member of the large ADAMTS family of zinc-dependent proteases. The human ADAMTS4 gene is mapped to chromosome 1 by somatic cell hybrid analysis. The enzyme encoded by this gene lacks a C-terminal TS motif. It is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The cleavage of aggrecan and brevican suggests key roles of this enzyme in arthritic disease and in the central nervous system, potentially, in the progression of glioma.

Overview

Product Name	Anti-ADAMTS4/ADAMTS4 Antibody Picoband® APC Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O75173

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ADAMTS4, different from the related mouse sequence by five amino acids, and from the related rat sequence by six amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 23990941, Electrospun Poly(L-lactide)/Poly(?-caprolactone) Blend Nanofibrous Scaffold: Characterization and Biocompatibility with Human Adipose-Derived Stem Cells

Visit bosterbio.com/anti-adamts4-picoband-trade-antibody-a02899-boster.html to see all 1 publications.

Anti-ADAMTS4/ADAMTS4 Antibody - APC

For Research Use Only. Not for use in diagnostic procedures.