

Anti-ADAMTS1 Antibody Picoband®

Catalog Number: PA2071

About Adamts1

A disintegrin and metalloproteinase with thrombospondin motifs 1 is an enzyme that in humans is encoded by the ADAMTS1 gene. This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The protein encoded by this gene contains two disintegrin loops and three C-terminal TS motifs and has anti-angiogenic activity. The expression of this gene may be associated with various inflammatory processes as well as development of cancer cachexia. This gene is likely to be necessary for normal growth, fertility, and organ morphology and function.

Overview

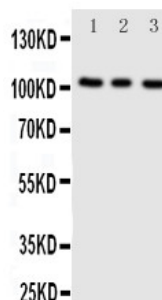
Product Name	Anti-ADAMTS1 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-ADAMTS1 Antibody catalog # PA2071. Tested in WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P97857

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse ADAMTS1, different from the related rat sequence by one amino acid, and from the related human sequence by four amino acids.
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Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Rat, Mouse

Anti-ADAMTS1 Antibody Picoband® (PA2071) Images



Anti-ADAMTS1 antibody, PA2071, Western blotting All lanes:
Anti ADAMTS1 (PA2071) at 0.5ug/ml Lane 1: Rat Liver Tissue
Lysate at 50ug Lane 2: Rat Heart Tissue Lysate at 50ug Lane
3: Rat Brain Tissue Lysate at 50ug Predicted bind size:
105KD Observed bind size: 105KD

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Anti-ADAMTS1 Antibody

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