

Anti-ADAM10/ADAM10 Antibody Picoband®

Catalog Number: PA1535

About ADAM10

ADAM10, A Disintegrin and Metalloproteinase Domain 10, is also known as AD10. ADAM10 is a member of the ADAM family and members of this family are cell surface proteins with a unique structure possessing both potential adhesion and protease function. The ADAM10 gene is mapped to chromosome 15q21.3-q23. ADAM proteins contain an N-terminal signal sequence, followed by a prodomain, a metalloprotease-like domain, a disintegrin-like domain, a cysteine-rich region, an EGF-like repeat, a transmembrane domain, and a C-terminal cytoplasmic tail. Conversion of the membrane-bound precursor to a secreted mature protein is mediated by a protease termed TNFA convertase. ADAM10 possesses TNFA convertase activity.

Overview

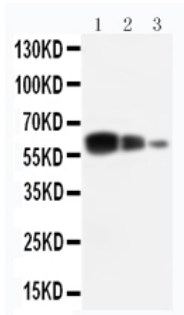
Product Name	Anti-ADAM10/ADAM10 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-ADAM10/ADAM10 Antibody catalog # PA1535. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, 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	O14672

Technical Details

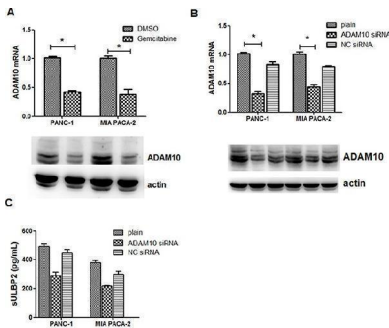
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ADAM10.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

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, Human

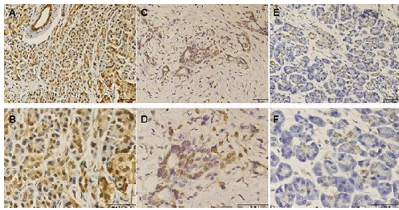
Anti-ADAM10/ADAM10 Antibody Picoband® (PA1535) Images



Anti-ADAM10 antibody, PA1535, Western blotting
Lane 1: Recombinant Human ADAM10 Protein 10ng
Lane 2: Recombinant Human ADAM10 Protein 5ng
Lane 3: Recombinant Human ADAM10 Protein 2.5ng



Gemcitabine-mediated shedding of ULBP2 is ADAM10-dependent. A. ADAM10 expression of PANC-1 and MIA PACA-2 cells was determined when 2 μ mol/l gemcitabine was added into cell culture. B. Cells were transfected with ADAM10 siRNA or control siRNA for 48 h and the expression of mRNA and protein of ADAM10 was evaluated by Q-PCR and western blot. C. sULBP2 in the culture supernatant was evaluated by ELISA. *P



Immunohistochemical staining for ADAM10. The ADAM10 were principally localized in cytoplasm of tumor cells with varying staining intensity. A. High expression of ADAM10 (200x). B. High expression of ADAM10 (400x). C. Low expression of ADAM10 (200x). D. Low expression of ADAM10 (400x). E. Negative ADAM10 expression (200x). F. Partial enlargement of ADAM10 staining with the magnifying power of 400x. Index in PubMed under a CC BY license. PMID: 27602753

1 Publications Citing This Product

1. PubMed ID: 27602753, Gemcitabine inhibits immune escape of pancreatic cancer by down regulating the soluble ULBP2 protein

Visit bosterbio.com/anti-adam10-antibody-pa1535-boster.html to see all 1 publications.

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