

Datasheet for ABIN5518723
anti-ADAM28 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	ADAM28
Binding Specificity:	AA 207-248, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAM28 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-ADAM28 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human ADAM28, different from the related mouse sequence by eleven amino acids.
Sequence:	EYYLVLDNGE FKRYNENQDE IRKRVFEMAN YVNMLYKKLN TH
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ADAM28 Antibody Picoband® (ABIN5518723). 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: ADAM28

Alternative Name: ADAM28 ([ADAM28 Products](#))

Background: Synonyms: Disintegrin and metalloproteinase domain-containing protein 28,ADAM 28,3.4.24.-,Epididymal metalloproteinase-like, disintegrin-like, and cysteine-rich protein II,eMDC II,Metalloproteinase-like, disintegrin-like, and cysteine-rich protein L,MDC-L,ADAM28,ADAM23, MDCL,

Tissue Specificity: Expressed predominantly in secondary lymphoid tissues, such as lymph node, spleen, small intestine, stomach, colon, appendix and trachea. The lymphocyte population is responsible for expression of this protein in these tissues. Isoform 2 is expressed preferentially in spleen.

Background: Disintegrin and metalloproteinase domain-containing protein 28 is an enzyme that in humans is encoded by the ADAM28 gene. This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene is a lymphocyte-expressed ADAM protein. And this gene is present in a gene cluster with other members of the ADAM family on chromosome 8. Alternative splicing results in multiple transcript variants.

Molecular Weight: 87 kDa, 61 kDa

Gene ID: 10863

Application Details

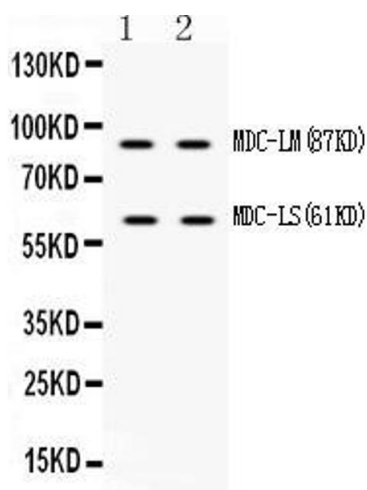
Application Notes: Western blot, 0.1-0.5 µg/mL, Human

1. "Entrez Gene: ADAM28 ADAM metalloproteinase domain 28". 2. Bridges LC, Hanson KR, Tani PH, et al. (2003). "Integrin alpha4beta1-dependent adhesion to ADAM 28 (MDC-L) requires an extended surface of the disintegrin domain". Biochemistry. 42 (13): 3734-41. 3. Howard L, Maciewicz RA, Blobel CP (2000). "Cloning and characterization of ADAM28: evidence for autocatalytic pro-domain removal and for cell surface localization of mature ADAM28". Biochem. J. 348 Pt 1 (Pt 1): 21-7.

Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	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.

Images



Western Blotting

Image 1. Western blot analysis of ADAM28 using anti-ADAM28 antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: HELA whole cell lysates, Lane 2: K562 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ADAM28 antigen affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and

probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for ADAM28 at approximately 87/61KD. The expected band size for ADAM28 is at 87KD.