

# Rabbit anti-Human ADAM9 Polyclonal Antibody | anti-ADAM9 antibody

Anti-ADAM9 Antibody Picoband

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                       |
|-----------|--------|------------|------------------------------------------------------------------------------------|
| AAA126278 | Rabbit | Human      | Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence, ELISA |

## PRODUCT SYNONYMS

ADAM9; Polyclonal Antibody; Anti-ADAM9 Antibody Picoband; anti-ADAM9 antibody

## PRODUCT SPECIFICATIONS

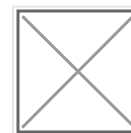
|                                                 |                                                                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                     | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| Concentration                                   | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-ADAM9 antibody | WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA                                                                                                                     |
| Reconstitution                                  | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                    |
| Immunogen                                       | E Coli-derived human ADAM9 recombinant protein (Position: R212-D247).                                                                                                                                                        |
| Preparation and Storage                         | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing. |

## IMAGES



### IF (Immunofluorescence)

Figure 3. IF analysis of ADAM9 using anti-ADAM9 antibody (AAA126278).ADAM9 was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-ADAM9 Antibody (AAA126278) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



### IHC (Immunohistochemistry)

Figure 2. IHC analysis of ADAM9 using anti-ADAM9 antibody (AAA126278).ADAM9 was detected in a paraffin-embedded section of human bladder adenosquamous carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-ADAM9 Antibody (AAA126278) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



**WB (Western Blot)**

Figure 1. Western blot analysis of ADAM9 using anti-ADAM9 antibody (AAA126278). 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 30 ug of sample under reducing conditions. Lane 1: human U-87MG whole cell lysates, Lane 2: human A431 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-ADAM9 antigen affinity purified polyclonal antibody (#AAA126278) at 0.5 ug/mL overnight at 4 degree 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 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ADAM9 at approximately 75 kDa. The expected band size for ADAM9 is at 91 kDa.

**ADDITIONAL INFORMATION**

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ADAM9 antibody | Disintegrin and metalloproteinase domain-containing protein 9 is an enzyme that in humans is encoded by the ADAM9 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 interacts with SH3 domain-containing proteins, binds mitotic arrest deficient 2 beta protein, and is also involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. Several alternatively spliced transcript variants have been identified for this gene. |
| Product Categories/Family for anti-ADAM9 antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                                                                                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 116496893                                                                                                                                                                                                                                                      |
| NCBI GeneID                      | 8754                                                                                                                                                                                                                                                           |
| UniProt Accession #              | Q13443; Q10718; Q8NFM6; B7ZLN7                                                                                                                                                                                                                                 |
| Molecular Weight                 | 90,556 Da                                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | ADAM9 protein                                                                                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | ADAM metallopeptidase domain 9                                                                                                                                                                                                                                 |
| NCBI Official Symbol             | ADAM9                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | MCMP; MDC9; CORD9; Mltng                                                                                                                                                                                                                                       |
| NCBI Protein Information         | disintegrin and metalloproteinase domain-containing protein 9; cone rod dystrophy 9; myeloma cell metalloproteinase; cellular disintegrin-related protein; ADAM metallopeptidase domain 9 (meltrin gamma); metalloprotease/disintegrin/cysteine-rich protein 9 |
| UniProt Protein Name             | Disintegrin and metalloproteinase domain-containing protein 9                                                                                                                                                                                                  |
| UniProt Gene Name                | ADAM9                                                                                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | KIAA0021; MCMP; MDC9; MLTNG; ADAM 9                                                                                                                                                                                                                            |
| UniProt Entry Name               | ADAM9_HUMAN                                                                                                                                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

