

**ADAM9 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7437A**

**Specification**

**ADAM9 Antibody (N-term) - Product Information**

Application	<b>WB, FC,E</b>
Primary Accession	<a href="#">Q13443</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit Ig</b>
Antigen Region	<b>35-64</b>

**ADAM9 Antibody (N-term) - Additional Information**

**Gene ID** 8754

**Other Names**

Disintegrin and metalloproteinase domain-containing protein 9, ADAM 9, 3424-, Cellular disintegrin-related protein, Meltrin-gamma, Metalloprotease/disintegrin/cysteine-rich protein 9, Myeloma cell metalloproteinase, ADAM9, KIAA0021, MCMP, MDC9, MLTNG

**Target/Specificity**

This ADAM9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 35-64 amino acids from the N-terminal region of human ADAM9.

**Dilution**

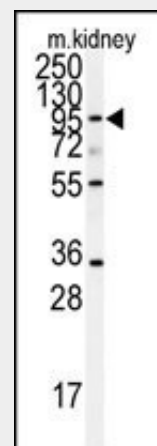
WB~~1:1000  
FC~~1:10~50

**Format**

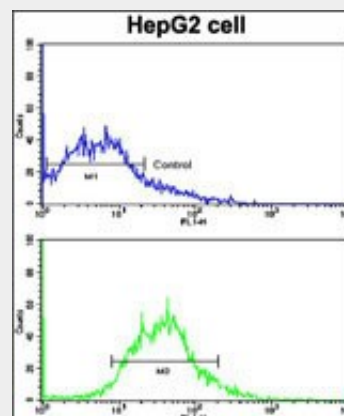
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of anti-ADAM9 Antibody (N-term)(Cat. #AP7437a) in mouse kidney tissue lysates (35ug/lane). ADAM9 (arrow) was detected using the purified Pab.



Flow cytometric analysis of HepG2 cells using ADAM9 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**ADAM9 Antibody (N-term) - Background**

ADAM9 is a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally

**Precautions**

ADAM9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ADAM9 Antibody (N-term) - Protein Information**

**Name** ADAM9

**Synonyms** KIAA0021, MCMP, MDC9, MLTNG

**Function**

Cleaves and releases a number of molecules with important roles in tumorigenesis and angiogenesis, such as TEK, KDR, EPHB4, CD40, VCAM1 and CDH5. May mediate cell-cell, cell-matrix interactions and regulate the motility of cells via interactions with integrins.

**Cellular Location**

[Isoform 1]: Cell membrane; Single-pass type I membrane protein

**Tissue Location**

Widely expressed. Expressed in chondrocytes. Isoform 2 is highly expressed in liver and heart

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. This protein 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.

**ADAM9 Antibody (N-term) - References**

Weskamp G., Kraetzschmar J., Reid M.S.J. Cell Biol. 132:717-726(1996)  
Hotoda N., Koike H. Biochem. Biophys. Res. Commun. 293:800-805(2002)  
McKie N., Edwards T., Dallas D.J. Biochem. Biophys. Res. Commun. 230:335-339(1997)

**ADAM9 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ADAM9 Antibody (N-term) - Citations**

- [Arecoline-induced death of human leukemia K562 cells is associated with surface up-modulation of TNFR2.](#)
- [Suppression of ADAM17-mediated Lyn/Akt pathways induces apoptosis of human leukemia U937 cells: Bungarus multicinctus protease inhibitor-like protein-1 uncovers the cytotoxic mechanism.](#)