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# ADAM9 Antibody (C-term)

**Purified Rabbit Polyclonal Antibody (Pab)**

**Catalog # AP7437b**

## Specification

### ADAM9 Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB, IHC-P, FC,E** |
| Primary Accession | Q13443 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit Ig** |
| Calculated MW | **90556** |
| Antigen Region | **704-733** |

### ADAM9 Antibody (C-term) - Additional Information

**Gene ID** 8754

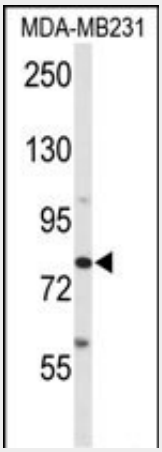
**Other Names**
Disintegrin and metalloproteinase domain-containing protein 9, ADAM 9, 3424-, Cellular disintegrin-related protein, Meltrin-gamma, Metalloprotease/disintegrin/cysteine-rich protein 9, Myeloma cell metalloproteinase, ADAM9, KIAA0021, MCMP, MDC9, MLTNG

**Target/Specificity**
This ADAM9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 704-733 amino acids from the C-terminal region of human ADAM9.

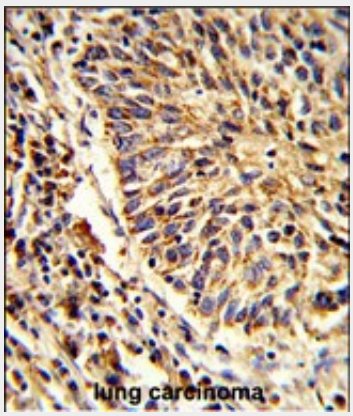
**Dilution**
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

**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




Western blot analysis of ADAM9 Antibody (C-term) (Cat. #AP7437b) in MDA-MB231 cell line lysates (35ug/lane). ADAM9 (arrow) was detected using the purified Pab.




Formalin-fixed and paraffin-embedded human lung carcinoma reacted with ADAM9 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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in small aliquots to prevent freeze-thaw cycles.

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

### ADAM9 Antibody (C-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.

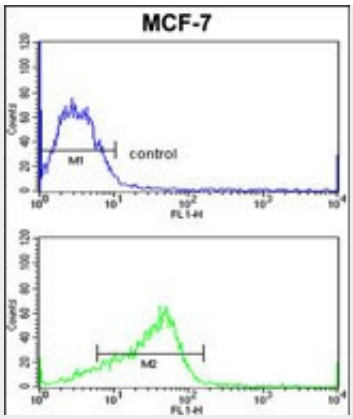
**Cellular Location**
[Isoform 1]: Cell membrane; Single-pass type I membrane protein

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

### ADAM9 Antibody (C-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 Cytomety
- Cell Culture




ADAM9 Antibody (C-term) (Cat. #AP7437b) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### ADAM9 Antibody (C-term) - Background

ADAM9 is 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. 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 (C-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 (C-term) - Citations

- Loss of tumor suppressor miR-126 contributes to the development of hepatitis B virus-related hepatocellular carcinoma metastasis through the upregulation of ADAM9.