

## **ADAM9 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant ADAM9.

Catalog # AT1044a

### **Specification**

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#### **ADAM9 Antibody (monoclonal) (M01) - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">O13443</a>
Other Accession	<a href="#">NM_003816</a>
Reactivity	<b>Human</b>
Host	<b>mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1 Kappa</b>
Calculated MW	<b>90556</b>

#### **ADAM9 Antibody (monoclonal) (M01) - 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**

ADAM9 (NP\_003807, 36 a.a. ~ 135 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

#### **Dilution**

WB~~1:500~1000

#### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

#### **Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

#### **Precautions**

ADAM9 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

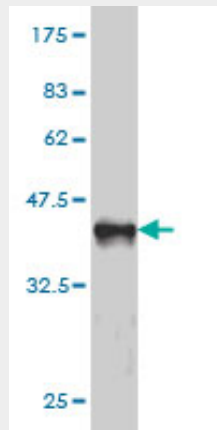
#### **ADAM9 Antibody (monoclonal) (M01) - Protocols**

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

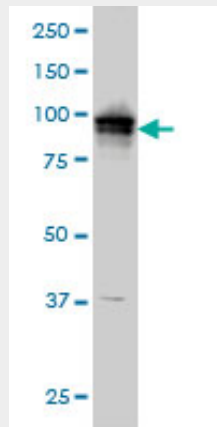
- [Western Blot](#)
- [Blocking Peptides](#)

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

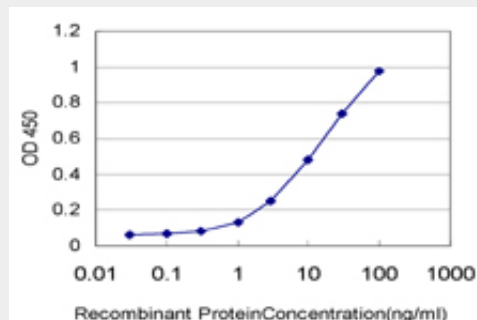
### ADAM9 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



ADAM9 monoclonal antibody (M01), clone 3E6 Western Blot analysis of ADAM9 expression in A-431 ( (Cat # AT1044a )



Detection limit for recombinant GST tagged ADAM9 is approximately 0.3ng/ml as a capture antibody.

**ADAM9 Antibody (monoclonal) (M01) - Background**

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.

**ADAM9 Antibody (monoclonal) (M01) - References**

RNAi-mediated ADAM9 gene silencing inhibits metastasis of adenoid cystic carcinoma cells. Xu Q, et al. *Tumour Biol*, 2010 Jun. PMID 20422344. Increased expression of a disintegrin and metalloprotease-9 in hepatocellular carcinoma: implications for tumor progression and prognosis. Tao K, et al. *Jpn J Clin Oncol*, 2010 Jul. PMID 20388695. Role of ADAMs in the ectodomain shedding and conformational conversion of the prion protein. Taylor DR, et al. *J Biol Chem*, 2009 Aug 21. PMID 19564338. Gene expression analysis of drug-resistant MCF-7 cells: implications for relation to extracellular matrix proteins. I?eri OD, et al. *Cancer Chemother Pharmacol*, 2010 Feb. PMID 19543729. Inhibition of platelets and tumor cell adhesion by the disintegrin domain of human ADAM9 to collagen I under dynamic flow conditions. Cominetti MR, et al. *Biochimie*, 2009 Aug. PMID 19505527.