

ADAM9 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ADAM9.

Catalog # AT1044a

Specification

ADAM9 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O13443
Other Accession	NM_003816
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	90556

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.

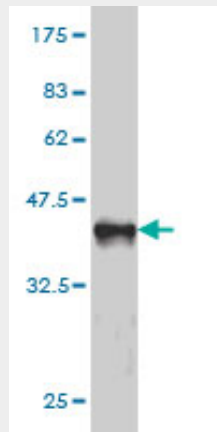
ADAM9 Antibody (monoclonal) (M01) - Protocols

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

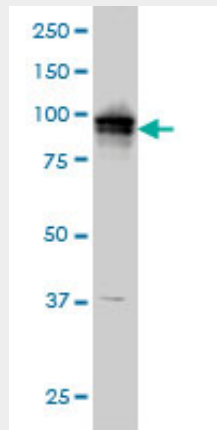
- [Western Blot](#)
- [Blocking Peptides](#)

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

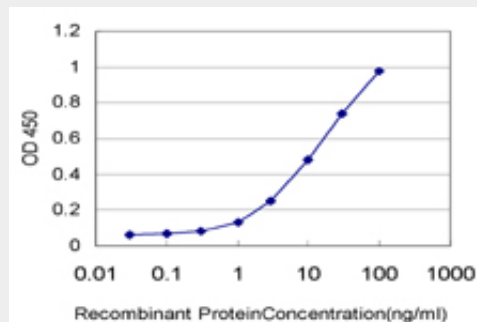
ADAM9 Antibody (monoclonal) (M01) - Images



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.