10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ADAM9 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ADAM9.
Catalog # AT1044a

Product Information

Application	WB, E
Primary Accession	Q13443
Other Accession	NM_003816
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3E7
Calculated MW	90556

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 E~~N/A
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.

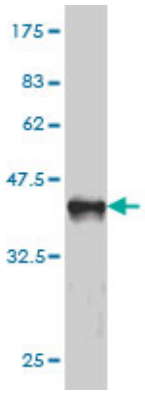
Background

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.

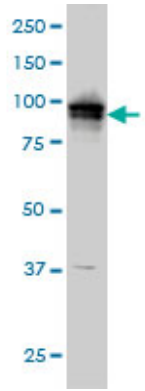
References

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.

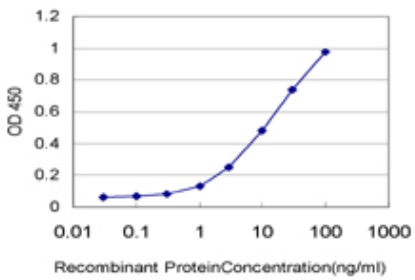
Images



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.