

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

Additional Information

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

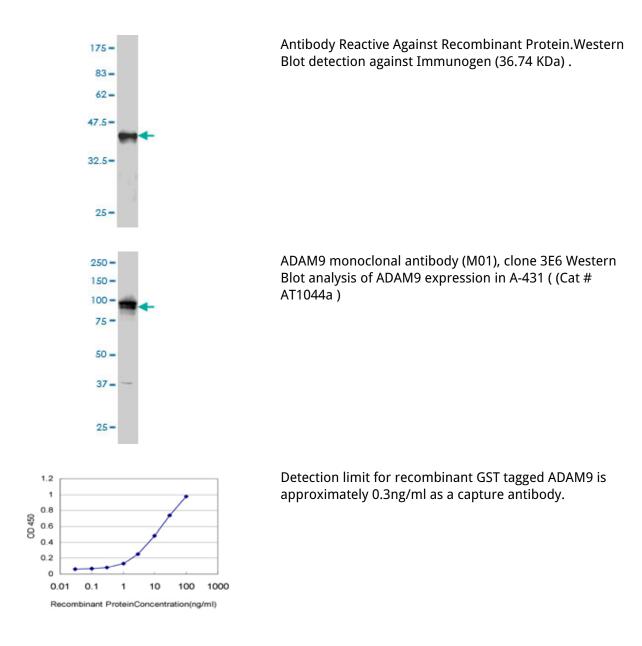
This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, 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



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