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

ADAM2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ADAM2.
Catalog # AT1043a

Product Information

Application	WB, E
Primary Accession	Q99965
Other Accession	NM_001464
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4A2
Calculated MW	82457

Additional Information

Gene ID	2515
Other Names	Disintegrin and metalloproteinase domain-containing protein 2, ADAM 2, Cancer/testis antigen 15, CT15, Fertilin subunit beta, PH-30, PH30, PH30-beta, ADAM2, FTNB
Target/Specificity	ADAM2 (NP_001455, 376 a.a. ~ 475 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	ADAM2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

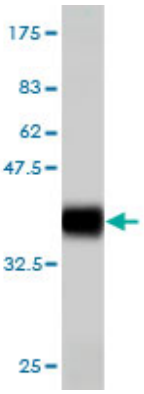
Background

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. This member is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions.

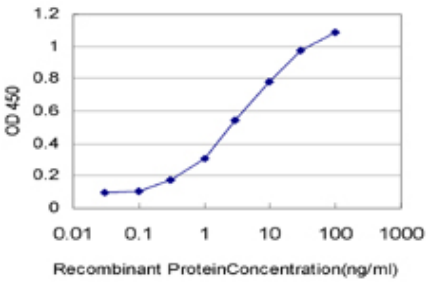
References

Association between fertilin beta, protamines 1 and 2 and spermatid-specific linker histone H1-like protein mRNA levels, fertilization ability of human spermatozoa, and quality of preimplantation embryos. Depa-Martyn?w M, et al. Folia Histochem Cytobiol, 2007. PMID 18292840.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.Functional classification of ADAMs based on a conserved motif for binding to integrin alpha 9beta 1: implications for sperm-egg binding and other cell interactions. Eto K, et al. J Biol Chem, 2002 May 17. PMID 11882657.Calmegin is required for fertilin alpha/beta heterodimerization and sperm fertility. Ikawa M, et al. Dev Biol, 2001 Dec 1. PMID 11784061.

Images



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



Detection limit for recombinant GST tagged ADAM2 is approximately 0.1ng/ml as a capture antibody.

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