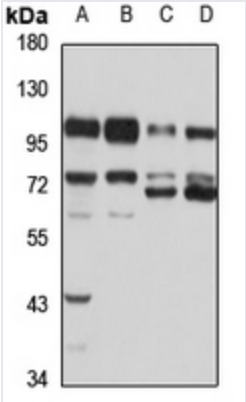
ADAM2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ADAM2, Polyclonal Antibody
Full Product Name	Anti-ADAM2 Antibody
Product Gene Name	anti-ADAM2 antibody
Product Synonym Names	FTNB; Disintegrin and metalloproteinase domain-containing protein 2; ADAM 2; Cancer/testis antigen 15; CT15; Fertilin subunit beta; PH-30; PH30; PH30-beta
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of ADAM2 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	80,158 Da
OMIM	601533
3D Structure	ModBase 3D Structure for Q99965
Immunogen	Recombinant fusion protein of human ADAM2. The exact sequence is proprietary.
Applications Tested/Suitable for anti-ADAM2 antibody	Western Blot (WB)
Application Notes for anti-ADAM2 antibody	WB: 1:500-1:2000
Related Product Information for anti-ADAM2 antibody	MBS8305959 is an antibody targeting ADAM2. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to ADAM2
Other Notes	Small volumes of anti-ADAM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-ADAM2 antibody
Western blot analysis of ADAM2 expression in MCF7 (A), Raji (B), mouse testis (C), rat testis (D) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADAM2. It may not necessarily be applicable to this product.

NCBI GI #	28202251
NCBI GeneID	2515
NCBI Accession #	Q99965.2
UniProt Primary Accession #	Q99965
UniProt Secondary Accession #	Q60718; Q63202
UniProt Related Accession #	Q99965
NCBI Official Full Name	Disintegrin and metalloproteinase domain-containing protein 2
NCBI Official Synonym Full Names	ADAM metallopeptidase domain 2
NCBI Official Symbol	ADAM2
NCBI Official Synonym Symbols	CT15; FTNB; PH30; CRYN1; CRYN2; PH-30b; PH30-beta
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 2
UniProt Synonym Protein Names	Cancer/testis antigen 15; CT15; Fertilin subunit beta; PH-30; PH30; PH30-beta
Protein Family	Disintegrin and metalloproteinase domain-containing protein
UniProt Gene Name	ADAM2
UniProt Synonym Gene Names	FTNB; ADAM 2; CT15; PH30
UniProt Entry Name	ADAM2_HUMAN
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 2; fertilin subunit beta; cancer/testis antigen 15
NCBI Summary for ADAM2	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 encoded protein is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]

UniProt Comments for ADAM2	ADAM2: a member of the ADAM (a disintegrin and metalloprotease domain) family of Cancer-Testis Antigen (CTAs) . CTAs may play roles in embryonal development and tumor transformation or aspects of tumor progression. CTAs were once thought to be silenced in most normal adult tissues, with limited expression in fetal, placental, testis, and ovary cells. These proteins are now known to be aberrantly expressed in various cancers and many are capable of eliciting humoral and cellular immune responses. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins. This member is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions. A sperm surface membrane protein that may be involved in sperm-egg plasma membrane adhesion and fusion during fertilization. Could have a direct role in sperm-zona binding or migration of sperm from the uterus into the oviduct. Interactions with egg membrane could be mediated via binding between its disintegrin-like domain to one or more integrins receptors on the egg. This is a non catalytic metalloprotease-like protein. Two isoforms of the human protein are produced by alternative splicing. Note: This description may include information from RefSeq and UniProtKB Protein type: Motility/polarity/chemotaxis; Cell surface; Cancer Testis Antigen (CTA); Membrane protein, integral Chromosomal Location of Human Ortholog: 8p11.2 Cellular Component: cell surface; integral to plasma membrane; plasma membrane Molecular Function: integrin binding; metallopeptidase activity; zinc ion binding; metalloendopeptidase activity Biological Process: fusion of sperm to egg plasma membrane; binding of sperm to zona pellucida; single fertilization; adult behavior; visual learning; proteolysis; cell adhesion; multicellular organism reproduction
Research Articles on ADAM2	**1.** The fertilin beta contributes not only to successful fertilization, but may has an important impact in development of preimplantation embryos.
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