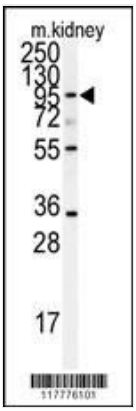
ADAM9 Antibody – Rabbit Polyclonal

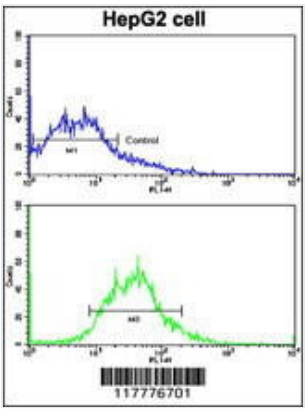
PRODUCT OVERVIEW

Product Name	ADAM9, Polyclonal Antibody
Full Product Name	ADAM9, NT (ADAM9, KIAA0021, MCMP, MDC9, MLTNG, Disintegrin and metalloproteinase domain-containing protein 9, Cellular disintegrin-related protein, Meltrin-gamma, Metalloprotease/disintegrin/cysteine-rich protein 9, Myeloma cell metalloproteinase) (MaxLig
Product Gene Name	anti-ADAM9 antibody
Product Synonym Names	ADAM9; KIAA0021; MCMP; MDC9; MLTNG; Disintegrin and metalloproteinase domain-containing protein 9; Cellular disintegrin-related protein; Meltrin-gamma; Metalloprotease/disintegrin/cysteine-rich protein 9; Myeloma cell metalloproteinase
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by saturated ammonium sulfate precipitation followed by dialysis against PBS.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	90,556 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (38854505..38962780). Location: 8p11.22
OMIM	602713
3D Structure	ModBase 3D Structure for Q13443
Immunogen	ADAM9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42~72 amino acids from the N-terminal region of human ADAM9.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-ADAM9 antibody	Antibodies; Matrix Metalloproteinases
Applications Tested/Suitable for anti-ADAM9 antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-ADAM9 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:50-100 Applications are based on unconjugated antibody.

Related Product Information for anti-ADAM9 antibody	ADAM9 is 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 protein 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.
Product References and Citations for anti-ADAM9 antibody	Weskamp G., Kraetzschmar J., Reid M.S.J. Cell Biol. 132:717-726(1996). Hotoda N., Koike H.Biochem. Biophys. Res. Commun. 293:800-805(2002). McKie N., Edwards T., Dallas D.J.Biochem. Biophys. Res. Commun. 230:335-339(1997).
Other Notes	Small volumes of anti-ADAM9 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.
Searchable Terms for ADAM9 purchase	MBS6271572 is an antibody targeting ADAM9. Also known as ADAM9, NT (ADAM9, KIAA0021, MCMP, MDC9, MLTNG, Disintegrin and metalloproteinase domain-containing protein 9, Cellular disintegrin-related protein, Meltrin-gamma, Metalloprotease/disintegrin/cysteine-rich protein 9, Myeloma cell metalloproteinase) (MaxLig. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-ADAM9 antibody
Western blot analysis of anti-ADAM9 Antibody (N-term) in mouse kidney tissue lysates (35ug/lane). ADAM9 (arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-ADAM9 antibody
Flow cytometric analysis of HepG2 cells using ADAM9 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADAM9. It may not necessarily be applicable to this product.

NCBI GI #	116496893
NCBI GeneID	8754
NCBI Accession #	AAI26407.1
UniProt Primary Accession #	Q13443
UniProt Secondary Accession #	Q10718; Q8NFM6; B7ZLN7
UniProt Related Accession #	Q13443
NCBI Official Full Name	ADAM9 protein
NCBI Official Synonym Full Names	ADAM metallopeptidase domain 9
NCBI Official Symbol	ADAM9
NCBI Official Synonym Symbols	MCMP; MDC9; CORD9; Mltng
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 9
UniProt Synonym Protein Names	Cellular disintegrin-related protein; Meltrin-gamma; Metalloprotease/disintegrin/cysteine-rich protein 9; Myeloma cell metalloproteinase

Protein Family	Disintegrin and metalloproteinase domain-containing protein
UniProt Gene Name	ADAM9
UniProt Synonym Gene Names	KIAA0021; MCMP; MDC9; MLTNG; ADAM 9
UniProt Entry Name	ADAM9_HUMAN
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 9; cone rod dystrophy 9; myeloma cell metalloproteinase; cellular disintegrin-related protein; ADAM metallopeptidase domain 9 (meltrin gamma); metalloprotease/disintegrin/cysteine-rich protein 9
NCBI Summary for ADAM9	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. [provided by RefSeq, Jul 2010]
UniProt Comments for ADAM9	ADAM9: Probable zinc protease. May mediate cell-cell or cell- matrix interactions. Isoform 2 displays alpha-secretase activity for APP. Widely expressed. Expressed in chondrocytes. Isoform 2 is highly expressed in liver and heart. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Protease; Motility/polarity/chemotaxis; EC 3.4.24.- Chromosomal Location of Human Ortholog: 8p11.22 Cellular Component: extracellular space; focal adhesion; cell surface; basolateral plasma membrane; cytoplasm; integral to membrane Molecular Function: collagen binding; integrin binding; protein binding; protein kinase C binding; zinc ion binding; metallopeptidase activity; metalloendopeptidase activity; laminin binding; SH3 domain binding Biological Process: integrin-mediated signaling pathway; positive regulation of keratinocyte migration; extracellular matrix organization and biogenesis; activation of MAPKK activity; cell-matrix adhesion; membrane protein ectodomain proteolysis; response to glucocorticoid stimulus; positive regulation of cell adhesion mediated by integrin; positive regulation of membrane protein ectodomain proteolysis; keratinocyte differentiation; response to manganese ion; collagen catabolic process; extracellular matrix disassembly; PMA-inducible membrane protein ectodomain proteolysis; monocyte activation; response to hydrogen peroxide; positive regulation of protein secretion; transforming growth factor beta receptor signaling pathway; cell-cell adhesion mediated by integrin; cell adhesion mediated by integrin; cell adhesion; response to calcium ion Disease: Cone-rod Dystrophy 9
Research Articles on ADAM9	**1.** a novel molecular mechanism of ADAM9 in the regulation of prostate cancer cell proliferation.
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