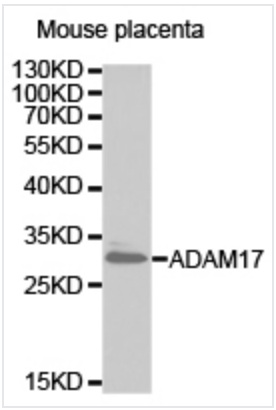
ADAM17 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ADAM17, Polyclonal Antibody
Full Product Name	ADAM17 Polyclonal Antibody
Product Gene Name	anti-ADAM17 antibody
Product Synonym Names	CD156b; MGC71942; TACE; cSVP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity purification
Preparation and Storage	Store at-20 degree C or-80 degree C. Avoid freeze/thaw cycles.
Molecular Weight	93kDa
OMIM	603639
3D Structure	ModBase 3D Structure for P78536
Immunogen	A synthetic peptide of humanADAM17
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ADAM17 antibody	Western Blot (WB)
Application Notes for anti-ADAM17 antibody	WB: 1:500-1:1000
Related Product Information for anti-ADAM17 antibody	The ADAMs (A Disintegrin And Metalloprotease) are multidomain transmembrane proteins. One of the first ADAMs implicated in membrane shedding is ADAM-17, which is shown to release the active form of tumor necrosis factor (TNF)-a from its precursor(PMID:18238782). ADAM17 is also named as CSVP, TACE. The full length protein has 9 glycosylation sites, a signal peptide, propeptide and 2 isoforms produced by alternative splicing.The 120-kDa form of ADAM-17 is expressed more frequently and at higher levels in primary breast carcinomas compared with normal breast tissue(PMID:17438092). This antibody is specific to ADAM17.
Other Notes	Small volumes of anti-ADAM17 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 ADAM17 purchase	MBS8527353 is an antibody targeting ADAM17. Also known as ADAM17 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ADAM17 antibody
Western blot analysis of extracts of mouse placentatissue, using ADAM17antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADAM17. It may not necessarily be applicable to this product.

NCBI GI #	73747889
NCBI GeneID	6868
NCBI Accession #	NP_003174.3
UniProt Primary Accession #	P78536
UniProt Secondary Accession #	O60226
UniProt Related Accession #	P78536
GenBank Nucleotide #	NM_003183.6
NCBI Official Full Name	disintegrin and metalloproteinase domain-containing protein 17 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase domain 17
NCBI Official Symbol	ADAM17
NCBI Official Synonym Symbols	CSVP; TACE; NISBD; ADAM18; CD156B; NISBD1
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 17
UniProt Synonym Protein Names	Snake venom-like protease; TNF-alpha convertase; TNF-alpha-converting enzyme; CD_antigen: CD156b
Protein Family	Disintegrin and metalloproteinase domain-containing protein
UniProt Gene Name	ADAM17
UniProt Synonym Gene Names	CSVP; TACE; ADAM 17
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 17
NCBI Summary for ADAM17	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 biologic processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The encoded preproprotein is proteolytically processed to generate the mature protease. The encoded protease functions in the ectodomain shedding of tumor necrosis factor-alpha, in which soluble tumor necrosis factor-alpha is released from the membrane-bound precursor. This protease also functions in the processing of numerous other substrates, including cell adhesion proteins, cytokine and growth factor receptors and epidermal growth factor (EGF) receptor ligands. The encoded protein also plays a prominent role in the activation of the Notch signaling pathway. Elevated expression of this gene has been observed in specific cell types derived from psoriasis, rheumatoid arthritis, multiple sclerosis and Crohn's disease patients, suggesting that the encoded protein may play a role in autoimmune disease. [provided by RefSeq, Feb 2016]

UniProt Comments for ADAM17	Cleaves the membrane-bound precursor of TNF-alpha to its mature soluble form. Responsible for the proteolytical release of soluble JAM3 from endothelial cells surface. Responsible for the proteolytic release of several other cell-surface proteins, including p75 TNF-receptor, interleukin 1 receptor type II, p55 TNF-receptor, transforming growth factor-alpha, L-selectin, growth hormone receptor, MUC1 and the amyloid precursor protein. Acts as an activator of Notch pathway by mediating cleavage of Notch, generating the membrane-associated intermediate fragment called Notch extracellular truncation (NEXT). Plays a role in the proteolytic processing of ACE2.
Research Articles on ADAM17	**1.** Plasma levels of ADAM17 are increased in Tanzanian children hospitalized with a malaria infection compared with asymptomatic children but similar to children hospitalized with other infectious diseases. The plasma levels of ADAM17 decreased during recovery after an acute malaria episode.
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