

Anti-ADAM19 Antibody

Catalog # ABO11376

Product Information

Application	WB, IHC-P
Primary Accession	Q9H013
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Disintegrin and metalloproteinase domain-containing protein 19(ADAM19) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	8728
Other Names	Disintegrin and metalloproteinase domain-containing protein 19, ADAM 19, 3.4.24.-, Meltrin-beta, Metalloprotease and disintegrin dendritic antigen marker, MADDAM, ADAM19, MLTNB
Calculated MW	104997
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat, Mouse
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Expressed in many normal organ tissues and several cancer cell lines.
Source	Eukaryota
Protein Name	Disintegrin and metalloproteinase domain-containing protein 19
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ADAM19(286-298aa RRKLLAQKYHDNA), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Contains 1 disintegrin domain.

Protein Information

Name	ADAM19
Synonyms	MLTNB
Function	Participates in the proteolytic processing of beta-type neuregulin isoforms which are involved in neurogenesis and synaptogenesis, suggesting a regulatory role in glial cell. Also cleaves alpha-2 macroglobulin. May be involved in osteoblast differentiation and/or osteoblast activity in bone (By similarity).
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Expressed in many normal organ tissues and several cancer cell lines

Background

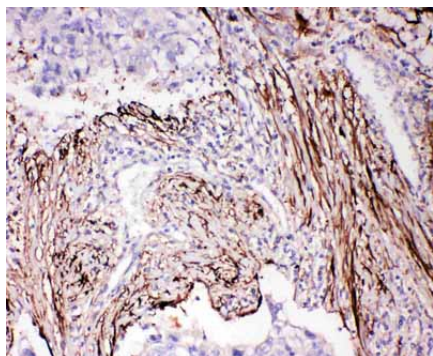
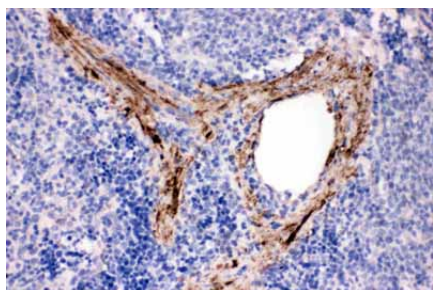
ADAM19 (A Disintegrin and Metalloproteinase Domain 19), also known as MLTNB, is a human gene. This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. This member is a type I transmembrane protein and serves as a marker for dendritic cell differentiation. It has also been demonstrated to be an active metalloproteinase, which may be involved in normal physiological and pathological processes such as cells migration, cell adhesion, cell-cell and cell-matrix interactions, and signal transduction. Hirohata et al. (1998) used radiation hybrids to map ADAM19 to mouse chromosome 11 and to human chromosome 5q32-q33.

Images



Anti-ADAM19 antibody, ABO11376, Western blotting
 Lane 1: Rat Spleen Tissue Lysate
 Lane 2: Rat Intestine Tissue Lysate
 Lane 3: Rat Brain Tissue Lysate
 Lane 4: HELA Cell Lysate

Anti-ADAM19 antibody, ABO11376, IHC(P)
 IHC(P): Rat Spleen Tissue



Anti-ADAM19 antibody, ABO11376, IHC(P)IHC(P): Human Lung Cancer Tissue

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