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Anti-ADAM19 Antibody
Catalog # ABO11376

Specification

Anti-ADAM19 Antibody - 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.

Anti-ADAM19 Antibody - 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 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat
Western blot, 0.1-0.5 µg/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.

Protein Name
Disintegrin and metalloproteinase domain-containing protein 19

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

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 r˚Constitution, 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.

Anti-ADAM19 Antibody - 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

Anti-ADAM19 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ADAM19 Antibody - Images

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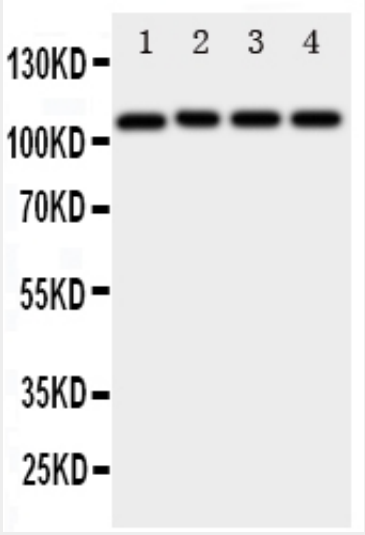
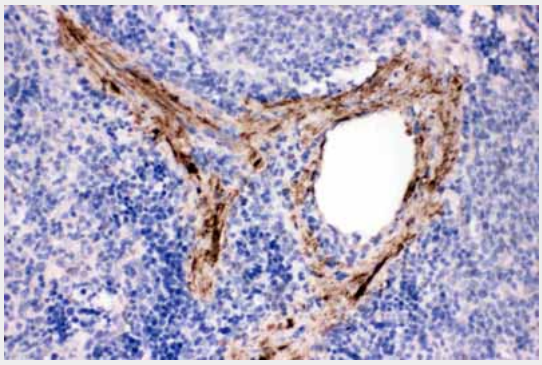
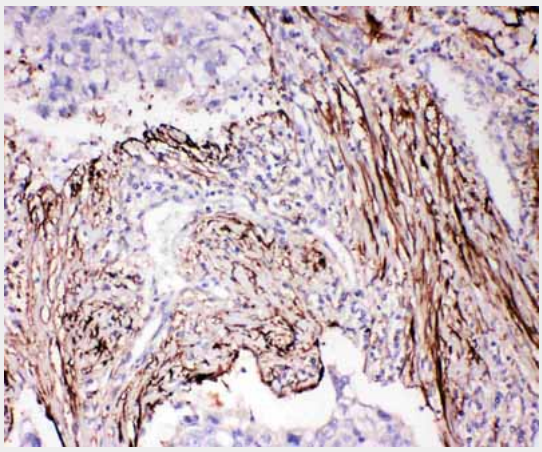


Anti-ADAM19 antibody, ABO11376, Western blottingLane 1: Rat Spleen Tissue LysateLane 2: Rat Intestine Tissue LysateLane 3: Rat Brain Tissue LysateLane 4: HELA Cell Lysate



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



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

Anti-ADAM19 Antibody - 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.