

Anti-ADAM19 [19MOCYT]

Catalogue number: 152534

Sub-type: Primary antibody

Images:

Contributor

Inventor: Carl Blobel

Institute: Hospital for Special Surgery

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-ADAM19 [19MOCYT]

Alternate name:

Class: Polyclonal

Conjugate: Unconjugated

Description: ADAM19, is a member of the ADAM (a disintegrin and metalloprotease-like domain) family. It has been cloned from mouse and human. ADAM19 was first described in muscle cells as a protein with homology to the fertilins (ADAMs 1 and 2). Initial observations indicated a role for ADAM19 in myoblast fusion, similar to sperm-egg fusion aided by ADAMs 1 and 2. Later works describe ADAM19 in the bone, muscle, lung, heart, brain, kidney, and a wide range of tissues. Also reported is a sequence of ADAM19 lacking the transmembrane and cytoplasmic domains, suggesting that a soluble form is produced. Other ADAMs family members (ADAM-10, ADAM-17) have been more thoroughly studied, and are known to play key roles in inflammation, growth factor maturation and release, and a wide range of other functions.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Mouse

Selectivity:

Host: Rabbit

Immunogen: GST-fusion protein with the cytoplasmic domain of murine ADAM19

Immunogen UNIPROT ID:

Sequence:

Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: ADAM19

Target alternate names:

Target background: ADAM19, is a member of the ADAM (a disintegrin and metalloprotease-like domain) family. It has been cloned from mouse and human. ADAM19 was first described in muscle cells as a protein with homology to the fertilins (ADAMs 1 and 2). Initial observations indicated a role for ADAM19 in myoblast fusion, similar to sperm-egg fusion aided by ADAMs 1 and 2. Later works describe ADAM19 in the bone, muscle, lung, heart, brain, kidney, and a wide range of tissues. Also reported is a sequence of ADAM19 lacking the transmembrane and cytoplasmic domains, suggesting that a soluble form is produced. Other ADAMs family members (ADAM-10, ADAM-17) have been more thoroughly studied, and are known to play key roles in inflammation, growth factor maturation and release, and a wide range of other functions.

Molecular weight: ~120 kDa

Ic50:

Applications

Application: WB
Application notes:

Handling

Format: Liquid
Concentration: 0.9-1.1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: Whole serum
Storage conditions:

-20° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Horiuchi et al. 2007. J Immunol. 179(5):2686-9. PMID: 17709479. ; Le Gall et al. 2010. J Cell Sci. 123(Pt 22):3913-22. PMID: 20980382. ; Maretzky et al. 2011. Nat Commun. 2:229. PMID: 21407195. ; Schlindorff et al. 2000. Biochem J. 347 Pt 1:131-8. PMID: 10727411. ; Zheng et al. 2002. J Biol Chem. 277(45):42463-70. PMID: 12207026.

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