

ADAM11 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP14066a**Specification**

ADAM11 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [O75078](#)**ADAM11 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 4185**Other Names**

Disintegrin and metalloproteinase domain-containing protein 11, ADAM 11, Metalloproteinase-like, disintegrin-like, and cysteine-rich protein, MDC, ADAM11, MDC

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14066a was selected from the N-term region of ADAM11. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ADAM11 Antibody (N-term) Blocking peptide - Protein Information**Name** ADAM11**Synonyms** MDC**Function**

Probable ligand for integrin in the brain. This is a non catalytic metalloprotease-like protein. Required for localization of the potassium channel subunit proteins KCNA1/KV1.1 and KCNA2/KV1.2 at cerebellar cortex basket cell distal terminals, is thereby involved in ephaptic inhibitory synchronization of Purkinje cell firing and response to stress (By similarity). Plays a role in spatial learning and motor coordination (By similarity). Involved in the nociceptive pain response to chemical-derived stimulation (By similarity).

Cellular Location

Presynaptic cell membrane {ECO:0000250|UniProtKB:Q9R1V4}; Single-pass type I membrane protein Perikaryon {ECO:0000250|UniProtKB:Q9R1V4}. Cell projection, axon

{ECO:0000250|UniProtKB:Q9R1V4}. Note=Localizes to basket cell terminals and pinceaux.
{ECO:0000250|UniProtKB:Q9R1V4}

Tissue Location

Expressed predominantly in brain. Slightly detected or not at all in other tissues

ADAM11 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ADAM11 Antibody (N-term) Blocking peptide - Images**ADAM11 Antibody (N-term) Blocking peptide - Background**

This gene encodes a member of the ADAM (a disintegrin and metalloprotease) protein 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 gene represents a candidate tumor suppressor gene for human breast cancer based on its location within a minimal region of chromosome 17q21 previously defined by tumor deletion mapping. [provided by RefSeq].

ADAM11 Antibody (N-term) Blocking peptide - References

Fu, G.K., et al. Genomics 84(1):205-210(2004) Hillman, R.T., et al. Genome Biol. 5 (2), R8 (2004)
:Shea, S.H., et al. Behav. Genet. 31(2):231-239(2001) Sagane, K., et al. Biochem. J. 334 (PT 1), 93-98
(1998) :Wolfsberg, T.G., et al. J. Cell Biol. 131(2):275-278(1995)