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ADAM22 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP10118a

Specification

ADAM22 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q9P0K1
Other Accession	NP_068369.1, NP_004185.1, NP_057435.2, NP_068367.1, NP_068368.2

ADAM22 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 53616

Other Names
Disintegrin and metalloproteinase domain-containing protein 22, ADAM 22, Metalloproteinase-disintegrin ADAM22-3, Metalloproteinase-like, disintegrin-like, and cysteine-rich protein 2, ADAM22, MDC2

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.

ADAM22 Antibody (N-term) Blocking peptide - Protein Information

Name ADAM22

Synonyms MDC2

Function
Probable ligand for integrin in the brain. This is a non catalytic metalloprotease-like protein (PubMed:19692335). Involved in regulation of cell adhesion and spreading and in inhibition of cell proliferation. Neuronal receptor for LGI1.

Cellular Location
Cell membrane; Single-pass type I membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:Q9R1V6}

Tissue Location
Highly expressed in the brain and in some high- grade but not low-grade gliomas. Detected slightly or not at all in other tissues.

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ADAM22 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

ADAM22 Antibody (N-term) Blocking peptide - Images

ADAM22 Antibody (N-term) Blocking peptide - Background

This gene encodes a member of the ADAM (a disintegrin andmetalloprotease domain) family. Members of this family aremembrane-anchored proteins structurally related to snake venomdisintegrins, and have been implicated in a variety of biologicalprocesses involving cell-cell and cell-matrix interactions,including fertilization, muscle development, and neurogenesis. Thisgene is highly expressed in the brain and may function as anintegrin ligand in the brain. Alternative splicing results inseveral transcript variants.

ADAM22 Antibody (N-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Sagane, K., et al. J. Recept. Signal Transduct. Res. 30(2):72-77(2010)Ozkaynak, E., et al. J. Neurosci. 30(10):3857-3864(2010)Gregorio, S.P., et al. Psychiatry Res 165 (1-2), 1-9 (2009) :Sorensen, H.P., et al. Protein Expr. Purif. 61(2):175-183(2008)