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MEG2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8408a

Specification

MEG2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P43378

MEG2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 5780

Other Names
Tyrosine-protein phosphatase non-receptor type 9, Protein-tyrosine phosphatase MEG2, PTPase MEG2, PTPN9

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8408a was selected from the N-term region of human MEG2 . 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.

MEG2 Antibody (N-term) Blocking Peptide - Protein Information

Name PTPN9

Function
Protein-tyrosine phosphatase that could participate in the transfer of hydrophobic ligands or in functions of the Golgi apparatus.

Cellular Location
Cytoplasm.

MEG2 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MEG2 Antibody (N-term) Blocking Peptide - Images

MEG2 Antibody (N-term) Blocking Peptide - Background

MEG2 is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an N-terminal domain that shares a significant similarity with yeast SEC14, which is a protein that has phosphatidylinositol transfer activity and is required for protein secretion through the Golgi complex in yeast. This PTP was found to be activated by polyphosphoinositide, and is thought to be involved in signaling events regulating phagocytosis.

MEG2 Antibody (N-term) Blocking Peptide - References

Kruger, J.M., et al., J. Biol. Chem. 277(4):2620-2628 (2002).Qi, Y., et al., J. Cell. Biochem. 86(1):79-89 (2002).Gu, M., et al., Proc. Natl. Acad. Sci. U.S.A. 89(7):2980-2984 (1992).