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DUSP9 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13891b

Specification

DUSP9 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q99956

DUSP9 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 1852

Other Names
Dual specificity protein phosphatase 9, Mitogen-activated protein kinase phosphatase 4, MAP kinase phosphatase 4, MKP-4, DUSP9, MKP4

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13891b was selected from the C-term region of DUSP9. 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.

DUSP9 Antibody (C-term) Blocking peptide - Protein Information

Name DUSP9

Synonyms MKP4

Function
Inactivates MAP kinases. Has a specificity for the ERK family.

Cellular Location
Cytoplasm.

DUSP9 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

DUSP9 Antibody (C-term) Blocking peptide - Images

DUSP9 Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene is a member of the dualspecificity protein phosphatase subfamily. These phosphatasesinactivate their target kinases by dephosphorylating both thephosphoserine/threonine and phosphotyrosine residues. Theynegatively regulate members of the mitogen-activated protein (MAP)kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is associatedwith cellular proliferation and differentiation. Different membersof the family of dual specificity phosphatases show distinctsubstrate specificities for various MAP kinases, different tissuedistribution and subcellular localization, and different modes ofinducibility of their expression by extracellular stimuli. Thisgene product shows selectivity for members of the ERK family of MAPkinases, is expressed only in placenta, kidney, and fetal liver,and is localized to the cytoplasm and nucleus. [provided byRefSeq].

DUSP9 Antibody (C-term) Blocking peptide - References

Voight, B.F., et al. Nat. Genet. 42(7):579-589(2010)Liu, Y., et al. Cancer Res. 67(22):10711-10719(2007)Ross, M.T., et al. Nature 434(7031):325-337(2005)Muda, M., et al. J. Biol. Chem. 272(8):5141-5151(1997)