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DUSP18 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP8480b

Specification

DUSP18 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q8NEJ0

DUSP18 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 150290

Other Names
Dual specificity protein phosphatase 18, Low molecular weight dual specificity phosphatase 20, LMW-DSP20, DUSP18, LMWDSP20

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8480b was selected from the C-term region of human DUSP18. 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.

DUSP18 Antibody (C-term) Blocking Peptide - Protein Information

Name DUSP18

Synonyms LMWDSP20

Function
Can dephosphorylate single and diphosphorylated synthetic MAPK peptides, with preference for the phosphotyrosine and diphosphorylated forms over phosphothreonine. In vitro, dephosphorylates p-nitrophenyl phosphate (pNPP).

Cellular Location
Cytoplasm. Nucleus. Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q8VE01}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8VE01}; Intermembrane side {ECO:0000250|UniProtKB:Q8VE01}. Note=Translocates to cytoplasm in response to apoptotic stimuli such as staurosporine treatment {ECO:0000250|UniProtKB:Q8VE01}

Tissue Location
Widely expressed with highest levels in liver, brain, ovary and testis.

DUSP18 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

DUSP18 Antibody (C-term) Blocking Peptide - Images

DUSP18 Antibody (C-term) Blocking Peptide - Background

DUSP18 is a member of the dual-specificity phosphatase (DSP) family, which catalyzes dephosphorylation of phosphotyrosine and phosphothreonine residues.

DUSP18 Antibody (C-term) Blocking Peptide - References

Jeong,D.G., Acta Crystallogr. D Biol. Crystallogr. 62 (PT 6), 582-588 (2006)Wu,Q., Front. Biosci. 11, 2714-2724 (2006)