

**DUSP18 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8480c****Specification**

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**DUSP18 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q8NEJ0](#)**DUSP18 Antibody (Center) 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 [AP8480c](/products/AP8480c) was selected from the Center 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 (Center) 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 (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**DUSP18 Antibody (Center) Blocking Peptide - Images****DUSP18 Antibody (Center) Blocking Peptide - Background**

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

**DUSP18 Antibody (Center) 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)