

DUSP23 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6749a**Specification**

DUSP23 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9BVJ7](#)**DUSP23 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 54935**Other Names**

Dual specificity protein phosphatase 23, Low molecular mass dual specificity phosphatase 3, LDP-3, VH1-like phosphatase Z, DUSP23, LDP3, VHZ

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6749a](/products/AP6749a) was selected from the N-term region of human DUSP23. 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.

DUSP23 Antibody (N-term) Blocking Peptide - Protein Information**Name** DUSP23**Synonyms** LDP3, VHZ**Function**

Protein phosphatase that mediates dephosphorylation of proteins phosphorylated on Tyr and Ser/Thr residues. In vitro, it can dephosphorylate p44-ERK1 (MAPK3) but not p54 SAPK-beta (MAPK10) in vitro. Able to enhance activation of JNK and p38 (MAPK14).

Cellular Location

Cytoplasm, cytosol. Nucleus. Note=Mainly cytosolic. Also nuclear

Tissue Location

Widely expressed. Highly expressed in spleen, prostate, colon, adrenal gland, mammary gland,

thyroid and trachea Expressed at lower level in uterus, small intestine, bladder, bone marrow, brain, spinal cord and stomach.

DUSP23 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DUSP23 Antibody (N-term) Blocking Peptide - Images

DUSP23 Antibody (N-term) Blocking Peptide - Background

DUSP23 is a protein phosphatase that mediates dephosphorylation of proteins phosphorylated on Tyr and Ser/Thr residues. In vitro, it can dephosphorylate p44-ERK1 (MAPK3) but not p54 SAPK-beta (MAPK10) in vitro. This protein is able to enhance activation of JNK and p38 (MAPK14).

DUSP23 Antibody (N-term) Blocking Peptide - References

Gregory, S.G., et.al., Nature 441 (7091), 315-321 (2006)