

**R MKP3 Antibody Blocking peptide**  
**Catalog # BP8445a****Specification**

---

**R MKP3 Antibody Blocking peptide - Product Information**Primary Accession [Q64346](#)**R MKP3 Antibody Blocking peptide - Additional Information****Gene ID** 116663**Other Names**

Dual specificity protein phosphatase 6, 3.1.3.16, 3.1.3.48, Mitogen-activated protein kinase phosphatase 3, MAP kinase phosphatase 3, MKP-3, Dusp6, Mkp3

**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.

**R MKP3 Antibody Blocking peptide - Protein Information****Name** Dusp6**Synonyms** Mkp3**Function**

Inactivates MAP kinases. Has a specificity for the ERK family (PubMed:<a href="http://www.uniprot.org/citations/8626780" target="\_blank">8626780</a>). Implicated in muscle and neuronal differentiation (PubMed:<a href="http://www.uniprot.org/citations/8631996" target="\_blank">8631996</a>). Plays an important role in alleviating chronic postoperative pain. Necessary for the normal dephosphorylation of the long-lasting phosphorylated forms of spinal MAPK1/3 and MAP kinase p38 induced by peripheral surgery, which drives the resolution of acute postoperative allodynia (By similarity). Also important for dephosphorylation of MAPK1/3 in local wound tissue, which further contributes to resolution of acute pain (By similarity).

**Cellular Location**

Cytoplasm.

**Tissue Location**

Expressed in lung, heart, brain, and kidney, but not significantly in skeletal muscle or testis

**R MKP3 Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**R MKP3 Antibody Blocking peptide - Images**