

**MST4 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7925a****Specification**

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**MST4 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession  
Other Accession[O9P289](#)  
[NP\\_057626](#)**MST4 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 51765**Other Names**

Serine/threonine-protein kinase 26, MST3 and SOK1-related kinase, Mammalian STE20-like protein kinase 4, MST-4, STE20-like kinase MST4, Serine/threonine-protein kinase MASK, STK26 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=18174](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=18174))  
HGNC:18174

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7925a](/product/products/AP7925a) was selected from the C-term region of human MST4. 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.

**MST4 Antibody (C-term) Blocking Peptide - Protein Information****Name** STK26 ([HGNC:18174](#))**Function**

Serine/threonine-protein kinase that acts as a mediator of cell growth (PubMed: [11641781](http://www.uniprot.org/citations/11641781), PubMed: [17360971](http://www.uniprot.org/citations/17360971)). Modulates apoptosis (PubMed: [11641781](http://www.uniprot.org/citations/11641781), PubMed: [17360971](http://www.uniprot.org/citations/17360971)). In association with STK24 negatively regulates Golgi reorientation in polarized cell migration upon RHO activation (PubMed: [27807006](http://www.uniprot.org/citations/27807006)).

Phosphorylates ATG4B at 'Ser- 383', thereby increasing autophagic flux (PubMed:<a href="http://www.uniprot.org/citations/29232556" target="\_blank">29232556</a>).

#### **Cellular Location**

Cytoplasm. Golgi apparatus Note=Colocalized with RIPOR1 in the Golgi of serum-starved cells and relocated to cytoplasmic punctae, probably vesicular compartments, along with RIPOR1 upon serum stimulation in a Rho- and PDCD10-dependent manner (PubMed:27807006).

#### **MST4 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **MST4 Antibody (C-term) Blocking Peptide - Images**

#### **MST4 Antibody (C-term) Blocking Peptide - Background**

The product of this gene is a member of the GCK group III family of kinases, which are a subset of the Ste20-like kinases. The encoded protein contains an amino-terminal kinase domain, and a carboxy-terminal regulatory domain that mediates homodimerization. The protein kinase localizes to the Golgi apparatus and is specifically activated by binding to the Golgi matrix protein GM130. It is also cleaved by caspase-3 in vitro, and may function in the apoptotic pathway. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.

#### **MST4 Antibody (C-term) Blocking Peptide - References**

Sung, V., et al., Cancer Res. 63(12):3356-3363 (2003).Lee, K.K., et al., J. Biol. Chem. 277(14):12351-12358 (2002).Dan, I., et al., J. Biol. Chem. 277(8):5929-5939 (2002).Lin, J.L., et al., Oncogene 20(45):6559-6569 (2001).Qian, Z., et al., J. Biol. Chem. 276(25):22439-22445 (2001).