

**Mouse Mst1r Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP14137b****Specification**

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**Mouse Mst1r Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q62190](#)**Mouse Mst1r Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 19882**Other Names**

Macrophage-stimulating protein receptor, MSP receptor, Stem cell-derived tyrosine kinase, p185-Ron, CD136, Macrophage-stimulating protein receptor alpha chain, Macrophage-stimulating protein receptor beta chain, Mst1r, Ron, Stk

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP14137b was selected from the C-term region of Mouse Mst1r. 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.

**Mouse Mst1r Antibody (C-term) Blocking peptide - Protein Information****Name** Mst1r**Synonyms** Ron, Stk**Function**

Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to MST1 ligand. Regulates many physiological processes including cell survival, migration and differentiation. Ligand binding at the cell surface induces autophosphorylation of RON on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with the PI3-kinase subunit PIK3R1, PLCG1 or the adapter GAB1. Recruitment of these downstream effectors by RON leads to the activation of several signaling cascades including the RAS-ERK, PI3 kinase-AKT, or PLCgamma-PKC. RON signaling activates the wound healing response by promoting epithelial cell migration, proliferation as well as survival at the wound site. Also plays a role in the innate immune response by regulating the

migration and phagocytic activity of macrophages. Alternatively, RON can also promote signals such as cell migration and proliferation in response to growth factors other than MST1 ligand.

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**Tissue Location**

Expressed in liver, skin, lung, brain, testis and kidney.

**Mouse Mst1r Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Mouse Mst1r Antibody (C-term) Blocking peptide - Images****Mouse Mst1r Antibody (C-term) Blocking peptide - Background**

Receptor for macrophage stimulating protein (MSP). Has a tyrosine-protein kinase activity.