

**Mouse Mst1r Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14137B**

**Specification**

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**Mouse Mst1r Antibody (C-term) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P,E            |
| Primary Accession | <a href="#">Q62190</a> |
| Reactivity        | Mouse                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | Rabbit IgG             |
| Calculated MW     | 150519                 |
| Antigen Region    | 1013-1041              |

**Mouse Mst1r Antibody (C-term) - 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**

This Mouse Mst1r antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1013-1041 amino acids from the C-terminal region of mouse Mst1r.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Mst1r Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Mst1r Antibody (C-term) - 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.

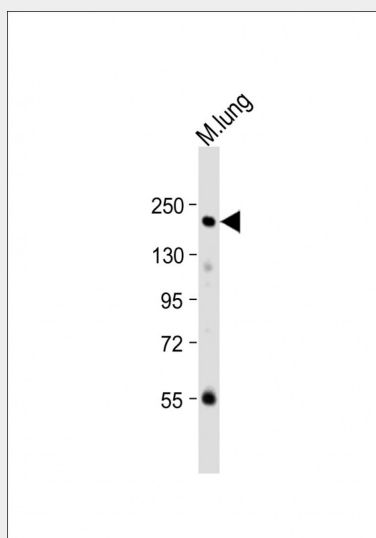
**Tissue Location**

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

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

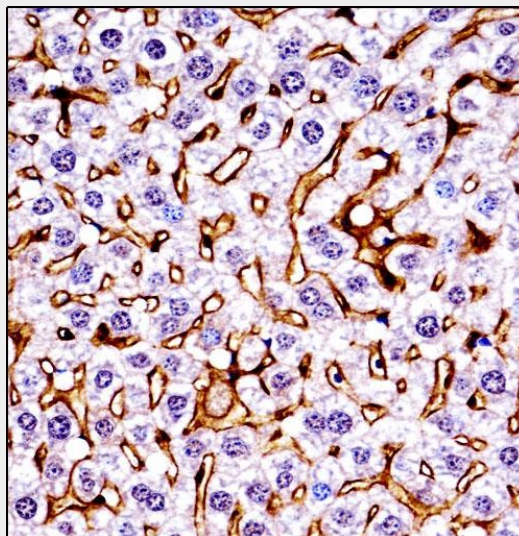
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Mouse Mst1r Antibody (C-term) - Images**

Anti-Mouse Mst1r Antibody (C-term) at 1:1000 dilution + mouse lung lysate Lysates/proteins at

20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 151 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Mouse Mst1r Antibody (C-term) (AP14137b) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse live tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Mouse Mst1r Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **Mouse Mst1r Antibody (C-term) - Background**

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