

Datasheet for ABIN710338

anti-MST1R antibody (pTyr1238) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	MST1R
Binding Specificity:	pTyr1238
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MST1R antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human MST1R around the phosphorylation site of Tyr1238
Isotype:	IgG
Cross-Reactivity:	Human, Monkey, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	MST1R
Alternative Name:	Ron (MST1R Products)
Background:	Synonyms: RON, PTK8, CD136, CDw136, Macrophage-stimulating protein receptor, MSP

Target Details

receptor, Protein-tyrosine kinase 8, p185-Ron, MST1R

Background: 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. Plays also 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.

Gene ID: 4486

UniProt: [Q04912](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Handling

Expiry Date: 12 months