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Anti-MST1R / RON Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17529

Product Information

Application	IHC-P
Primary Accession	Q04912
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	152241
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	4486
Alias Symbol	MST1R
Other Names	MST1R, C-met-related tyrosine kinase, CD136, CDw136, CD136 antigen, Friend virus susceptibility 2, Fv2, MSP receptor, p185-Ron, PTK8 protein tyrosine kinase 8, RON, Soluble RON variant 3, Soluble RON variant 1, MST1R variant RON30, Oncogene RON, PTK8 ...
Target/Specificity	Human MST1R / RON. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-MST1R / RON Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MST1R
Synonyms	PTK8, RON
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 colon, skin, lung and bone marrow.