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RON Antibody

Rabbit mAb
Catalog # AP90798

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	Q04912
Reactivity	Human
Clonality	Monoclonal
Other Names	c met related tyrosine kinase; CD136 antigen; Macrophage stimulating 1 receptor; MSP receptor; p185 RON; PTK 8 Stem cell derived tyrosine kinase; MST1R variant RON30; MST1R variant RON62;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	152241

Additional Information

Dilution	WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:30 FC 1:30
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human RON
Description	Ron is initially synthesized in the cells as a single-chain, pro-Ron precursor that is cleaved into the two active chains. 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

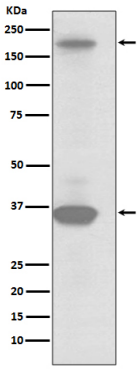
Name	MST1R
Synonyms	PTK8, RON
Function	Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to MST1 ligand. Regulates many physiological processes including cell survival, migration and differentiation. Ligand binding at the cell surface induces 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.

Images



Western blot analysis of RON expression in SKBR3 cell lysate.

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