Ron (Phospho-Tyr1238+Tyr1239) Antibody FITC Conjugated

Catalog No: #C00602F

Package Size: #C00602F 100ul

Signalway Antibody
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Description

Product Name	Ron (Phospho-Tyr1238+Tyr1239) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic phosphopeptide aa 1235-1245 1400 derived from human MST1R around the phosphorylation site of Tyr1238+Tyr1239
Conjugates	FITC
Target Name	Ron Tyr1238+Tyr1239
Other Names	RON; PTK8; CD136; CDw136; Macrophage-stimulating protein receptor; MSP receptor; Protein-tyrosine kinase 8; p185-Ron; MST1R
Accession No.	Swiss-Prot#Q04912NCBI Gene ID4486
Cell Localization	Cell membrane
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=1:50-200 ICC=1:50-200 IF=1:50-200

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.