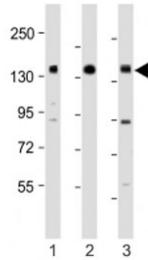


RON Antibody / MST1R (Center Region) (F54112)

Catalog No.	Formulation	Size
F54112-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54112-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q04912
Applications	Western Blot : 1:1000-1:2000
Limitations	This RON antibody is available for research use only.



Western blot testing of RON antibody at 1:1000: Lane 1) human HACAT, 2) HCT116 and 3) SK-BR-3 cell lysate. Predicted molecular weight ~152 kDa (beta) and ~185 kDa (alpha/beta heterodimer).

Description

Recepteur d'origine nantais (RON) ou Macrophage-stimulating protein receptor (MST1R) est une kinase tyrosine réceptrice qui transmet des signaux de la matrice extracellulaire vers le cytoplasme en se liant au ligand MST1. Régule de nombreux processus physiologiques y compris la survie, la migration et la différenciation des cellules. La liaison du ligand à la surface cellulaire induit la phosphorylation autophosphorylation de RON dans sa région intracellulaire qui fournit des sites de docking pour les molécules de signalisation下游. La stimulation par le ligand entraîne l'interaction de RON avec la sous-unité PI3-kinase PIK3R1, PLCG1 ou l'adaptateur GAB1. Le recrutement de ces effecteurs downstream par RON entraîne l'activation de plusieurs cascades de signalisation y compris le RAS-ERK, PI3 kinase-AKT, ou PLCgamma-PKC. La signalisation RON active la réponse de cicatrisation de la plaie en promouvant la réponse de cicatrisation de l'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. [UniProt]

Application Notes

The stated application concentrations are suggested starting points. Titration of the RON antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 600-633 from human MST1R/RON was used as the immunogen for the RON antibody.

Storage

Aliquot the RON antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.