antibodies

## Datasheet for ABIN1713965 anti-MST1R antibody (pTyr1238, pTyr1239)





Overview

Quantity:	100 μL	
Target:	MST1R	
Binding Specificity:	pTyr1238, pTyr1239	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MST1R antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))	

## Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human MST1R around the phosphorylation site of Tyr1238+Tyr1239	
Isotype:	lgG	
Cross-Reactivity:	Human, Mouse, Rat	
Purification:	Purified by Protein A.	

Target Details

Target:

MST1R

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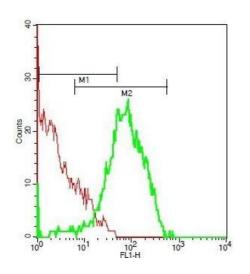
Target Details		
Alternative Name:	Ron+ (MST1R Products)	
Background:	Synonyms: RON, PTK8, CD136, CDw136, Macrophage-stimulating protein receptor, MSP	
	receptor, Protein-tyrosine kinase 8, p185-Ron, MST1R	
	Background: Receptor tyrosine kinase that transduces signals from the extracellular matrix into	
	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	
	ELISA 1:500-1000	
	FCM 1:20-100	
	IHC-P 1:200-400	
	IHC-F 1:100-500	
	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
	ICC 1:100-500	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	

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Concentration:	1 μg/μL	
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C,-20 °C	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
Expiry Date:	12 months	

## Images



## Flow Cytometry

**Image 1.** Mouse lung cells probed with Rabbit Antiphospho-Ron (Tyr1238+Tyr1239) Polyclonal Antibody, FITC Conjugated at 1:100 for 40 minutes.