

RON Rabbit mAb

Catalog No: #49195



Package Size: #49195-1 50ul #49195-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

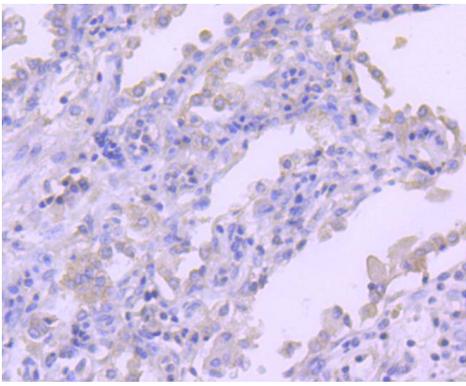
Description

Product Name	RON Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD2006
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	c met related tyrosine kinase antibody CD136 antibody CD136 antigen antibody CDw136 antibody Macrophage stimulating 1 receptor (c met related tyrosine kinase) antibody Macrophage stimulating 1 receptor antibody Macrophage stimulating protein receptor alpha chain antibody MACROPHAGE STIMULATING PROTEIN RECEPTOR antibody Macrophage stimulating protein receptor beta chain antibody Macrophage-Stimulating 1 Receptor (MST1R) antibody Macrophage-stimulating protein receptor beta chain antibody MSP receptor antibody Mst1r antibody MST1R variant RON30 antibody MST1R variant RON62 antibody NPCA3 antibody p185 RON antibody p185-Ron antibody Protein-tyrosine kinase 8 antibody PTK 8 antibody ptk8 antibody PTK8 protein tyrosine kinase 8 antibody Recepteur doΩ'σΩ'origine nantais (RON) antibody RON antibody RON protein tyrosine kinase antibody RON variant E2E3 antibody RON_HUMAN antibody Soluble RON variant 1 antibody Soluble RON variant 2 antibody Soluble RON variant 3 antibody Soluble RON variant 4 antibody Stem cell derived tyrosine kinase antibody
Accession No.	Swiss-Prot#:Q04912
Calculated MW	185 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

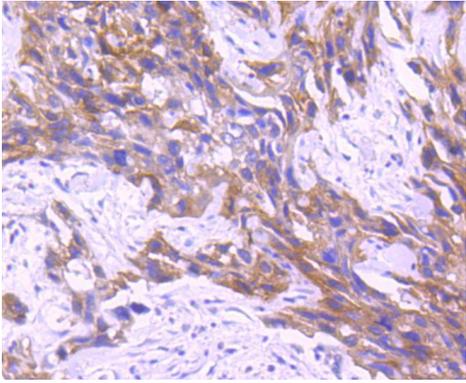
Application Details

WB: 1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

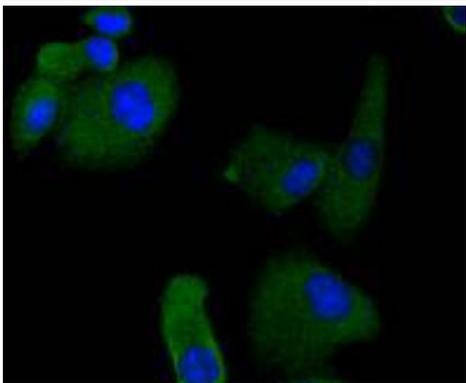
Images



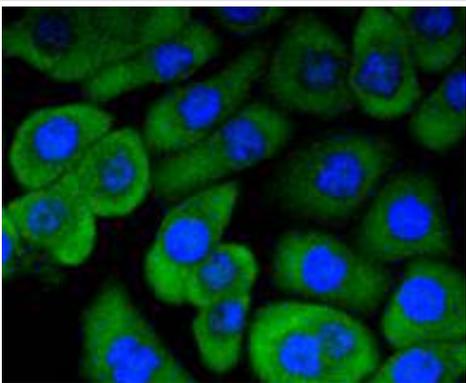
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-RON antibody. Counter stained with hematoxylin.



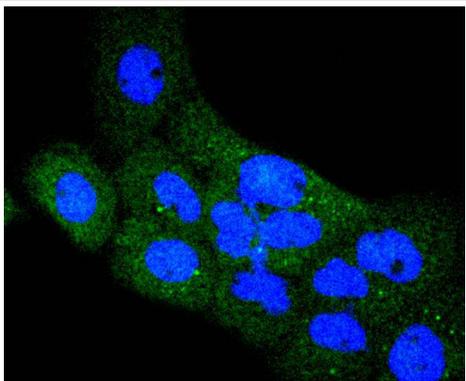
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-RON antibody. Counter stained with hematoxylin.



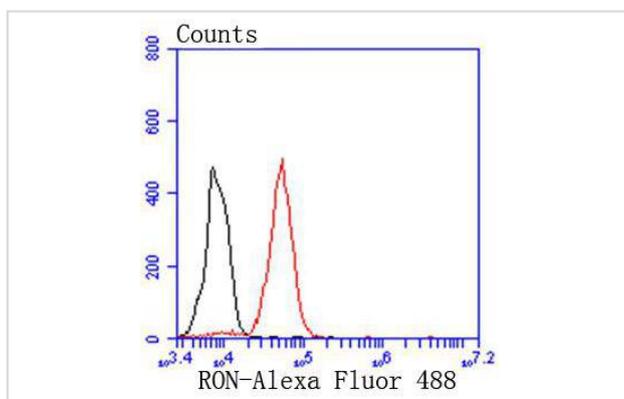
ICC staining RON in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining RON in AGS cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining RON in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of THP-1 cells with RON antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

Receptor protein tyrosine kinases (PTKs) have been classified into different subclasses on the basis of sequence similarity and distinct structural characteristics. The c-Met encoded receptor represents the initial member of one class of receptors characterized by a heterodimeric structure and a cysteine-rich extracellular domain. Ron, also designated macrophage-stimulating protein receptor (MSP receptor), p185-Ron, CD136 antigen or PTK8 represents a second member of this receptor class. The intracellular PTK domains of Ron and Met are highly similar (63% sequence identity) while the extracellular domains are less related (25% sequence identity) and both are rich in cysteine residues. Mature Ron receptor is comprised of a disulfide-linked heterodimer formed from an alpha chain (Ron α) and a beta chain (Ron β). Proteolytic processing results in the separation of the N-terminal Ron α and C-terminal Ron β subunits.

References

1. Wang Q et al. RON confers lapatinib resistance in HER2-positive breast cancer cells. *Cancer Lett* 340:43-50 (2013).
2. Seiwert, TY. et al. The MET receptor tyrosine kinase is a potential novel therapeutic target for head and neck squamous cell carcinoma. *Cancer Res.* 69: 3021-3031(2009).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.