

For Research Use Only

RON, MST1R Polyclonal antibody

Catalog Number: 11053-1-AP

2 Publications



Basic Information

Catalog Number:

11053-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1537

GenBank Accession Number:

BQ936677 NM_002447

GeneID (NCBI):

4486

UNIPROT ID:

Q04912

Full Name:

macrophage stimulating 1 receptor (c-met-related tyrosine kinase)

Calculated MW:

152 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse lung tissue,

IHC : human lung cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

RON (also referred to as MST1R, or CD136) is a receptor tyrosine kinase that belongs to the MET proto-oncogene family. The precursor RON is produced as a glycosylated, single chain that is cleaved into a 185-kDa heterodimer of α (35 kDa) and β (150 kDa) subunits connected by a disulfide bond (PMID: 8062829). It is activated upon binding to its ligand, macrophage-stimulating protein (MSP, also known as MST1 and HGFL). RON signalling is essential for embryonic development and regulates many physiological processes including cell survival, migration and differentiation.

Notable Publications

Author	Pubmed ID	Journal	Application
Wei Lin	34853810	Mol Ther Oncolytics	WB
Xuekun Fu	39744222	Theranostics	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

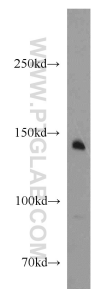
T: 4006900926

E: Proteintech-CN@ptglab.com

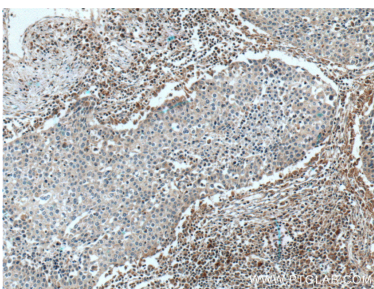
W: ptgcn.com

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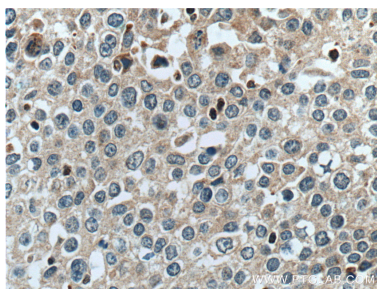
Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 11053-1-AP (RON, MST1R antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11053-1-AP (RON, MST1R Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11053-1-AP (RON, MST1R Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).