

For Research Use Only

# RON, MST1R Polyclonal antibody

Catalog Number: 11053-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 11053-1-AP	<b>GenBank Accession Number:</b> BQ936677 NM_002447	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 600 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4486	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q04912	
<b>Isotype:</b> IgG	<b>Full Name:</b> macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	
<b>Immunogen Catalog Number:</b> AG1537	<b>Calculated MW:</b> 152 kDa	
	<b>Observed MW:</b> 140 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : mouse lung tissue, IHC : human lung cancer tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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  $\alpha$  (35 kDa) and  $\beta$  (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

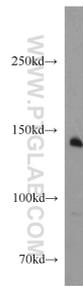
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

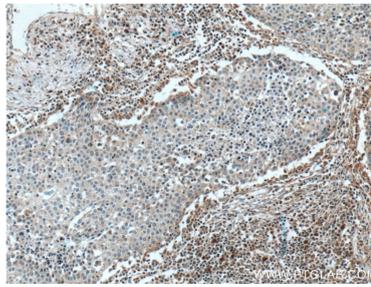
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

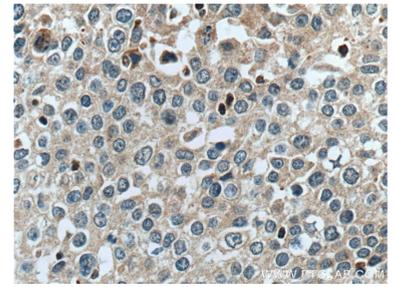
## Selected Validation Data



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).