

For Research Use Only

RON, MST1R Polyclonal antibody

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



Basic Information

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

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse lung tissue, IHC : human lung cancer tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	
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

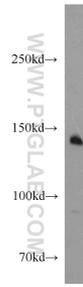
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

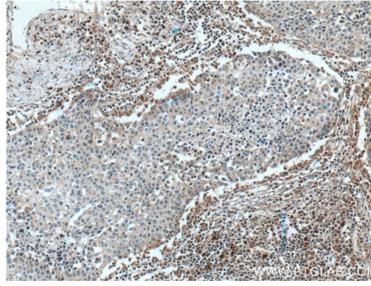
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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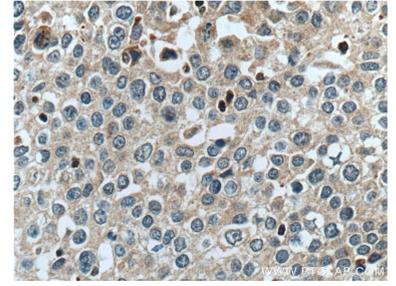
Selected Validation Data



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).