

## Ron Monoclonal Antibody

<b>Catalog No :</b>	YM0562
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Ron
<b>Fields :</b>	>>Calcium signaling pathway
<b>Gene Name :</b>	MST1R
<b>Protein Name :</b>	Macrophage-stimulating protein receptor
<b>Human Gene Id :</b>	4486
<b>Human Swiss Prot No :</b>	Q04912
<b>Mouse Swiss Prot No :</b>	Q62190
<b>Immunogen :</b>	Purified recombinant fragment of human Ron (aa210-320) expressed in E. Coli.
<b>Specificity :</b>	Ron Monoclonal Antibody detects endogenous levels of Ron protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	152kD
<b>P References :</b>	1. Clin Cancer Res. 2005 Mar 15;11(6):2222-8.

2. Am J Respir Cell Mol Biol. 2006 Jan;34(1):15-27.

3. Carcinogenesis. 2008 Mar;29(3):552-9.

### Background :

This gene encodes a cell surface receptor for macrophage-stimulating protein (MSP) with tyrosine kinase activity. The mature form of this protein is a heterodimer of disulfide-linked alpha and beta subunits, generated by proteolytic cleavage of a single-chain precursor. The beta subunit undergoes tyrosine phosphorylation upon stimulation by MSP. This protein is expressed on the ciliated epithelia of the mucociliary transport apparatus of the lung, and together with MSP, thought to be involved in host defense. Alternative splicing generates multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Jan 2016],

### Function :

catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Receptor for macrophage stimulating protein (MSP). Has a tyrosine-protein kinase activity.,PTM:Phosphorylated in response to ligand binding.,PTM:Proteolytic processing yields the two subunits.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 Sema domain.,similarity:Contains 3 IPT/TIG domains.,subunit:Heterodimer formed of an alpha chain and a beta chain which are disulfide linked. Binds PLXNB1. Associates with and is negatively regulated by HYAL2.,tissue specificity:Keratinocytes and lung.,

### Subcellular Location :

Membrane; Single-pass type I membrane protein.

### Expression :

Expressed in colon, skin, lung and bone marrow.

## Products Images



Western Blot analysis using Ron Monoclonal Antibody against HCC827 (1), HT-29 (2), HCT-116 (3) and BxPC-3 (4) cell lysate.