RON Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RON, Polyclonal Antibody
Full Product Name	RON (Phospho Ser1394) Rabbit pAb
Product Gene Name	anti-RON antibody
Product Synonym Names	MST1R; PTK8; RON; Macrophage-stimulating protein receptor; MSP receptor; CDw136; Protein-tyrosine kinase 8; p185-Ron; CD antigen CD136; MST1R
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C for 1 year.
OMIM	600168
3D Structure	ModBase 3D Structure for Q04912
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Ron (phospho Ser1394)
Cellular Localization	Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RON antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RON antibody	WB: 1:500-1:2000 ELISA: 1:40000
Related Product Information for anti-RON antibody	MBS8540654 is an antibody targeting RON. Also known as RON (Phospho Ser1394) Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-RON antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RON. It may not necessarily be applicable to this product.

NCBI GI #	349732251
NCBI GeneID	4486
NCBI Accession #	NP_001231866.1
UniProt Primary Accession #	Q04912
UniProt Related Accession #	Q04912
GenBank Nucleotide #	NP_001231866.1

NCBI Official Full Name	macrophage-stimulating protein receptor isoform 2
NCBI Official Synonym Full Names	macrophage stimulating 1 receptor
NCBI Official Symbol	MST1R
NCBI Official Synonym Symbols	RON; SEA; PTK8; CD136; NPCA3; CDw136
UniProt Protein Name	Macrophage-stimulating protein receptor
UniProt Synonym Protein Names	CDw136; Protein-tyrosine kinase 8; p185-Ron
Protein Family	Rondonin
UniProt Gene Name	MST1R
UniProt Synonym Gene Names	PTK8; RON; MSP receptor
UniProt Entry Name	RON_HUMAN
NCBI Protein Information	macrophage-stimulating protein receptor
NCBI Summary for RON	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]
UniProt Comments for RON	Ron: a receptor tyrosine kinase of the Met family. Receptor for macrophage stimulating protein. Can be desensitized by c-Cbl and its binding partner Grb2. Overexpression of wild-type RON causes the formation of lung tumors. Two alternatively spliced isoforms have been described. Protein type: Protein kinase, TK; EC 2.7.10.1; Membrane protein, integral; Kinase, protein; Protein kinase, tyrosine (receptor); TK group; Met family Chromosomal Location of Human Ortholog: 3p21.3 Cellular Component: cell surface; integral to plasma membrane; stress fiber Molecular Function: macrophage colony stimulating factor receptor activity; protein binding; enzyme binding; ATP binding Biological Process: positive regulation of MAP kinase activity; positive regulation of protein kinase B signaling cascade; peptidyl-tyrosine phosphorylation; multicellular organismal development; response to virus; single fertilization; positive regulation of cell proliferation; innate immune response; defense response; signal transduction; cell motility; transmembrane receptor protein tyrosine kinase signaling pathway
Research Articles on RON	**1.** rare variants in MST1R in pNTMPEX/scoliosis patients could contribute to Lady Windermere syndrome by decreasing airway ciliary function and reducing IFN-gamma production in response to pulmonary nontuberculous mycobacterial disease
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