

Rabbit RON Polyclonal Antibody | anti-RON antibody

Phospho-RON (Tyr1353) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329952	Rabbit	Human, Mouse, Monkey Predicted Reactivity: Bovine (90%), Horse (90%), Sheep (90%), Rabbit (100%), Dog (100%)	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

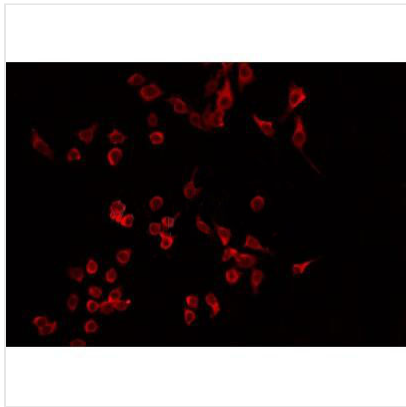
PRODUCT SYNONYMS

RON; Polyclonal Antibody; Phospho-RON (Tyr1353) Antibody; c met related tyrosine kinase; CD136; CD136 antigen; CDw136; Macrophage stimulating 1 receptor (c met related tyrosine kinase); Macrophage stimulating 1 receptor; Macrophage stimulating protein receptor alpha chain; MACROPHAGE STIMULATING PROTEIN RECEPTOR; Macrophage stimulating protein receptor beta chain; Macrophage-Stimulating 1 Receptor (MST1R); Macrophage-stimulating protein receptor beta chain; MSP receptor; Mst1r; MST1R variant RON30; MST1R variant RON62; NPCA3; p185 RON; p185-Ron; Protein-tyrosine kinase 8; PTK 8; ptk8; PTK8 protein tyrosine kinase 8; Recepteur d'origine nantais (RON); RON protein tyrosine kinase; RON variant E2E3; RON_HUMAN; Soluble RON variant 1; Soluble RON variant 2; Soluble RON variant 3; Soluble RON variant 4; Stem cell derived tyrosine kinase; anti-RON antibody

PRODUCT SPECIFICATIONS

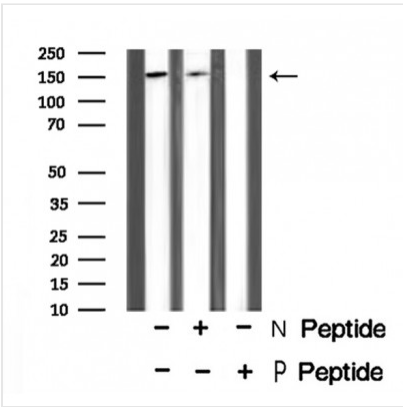
Host	Rabbit
Reactivity	Human, Mouse, Monkey Predicted Reactivity: Bovine (90%), Horse (90%), Sheep (90%), Rabbit (100%), Dog (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-RON (Tyr1353) Antibody detects endogenous levels of RON only when phosphorylated at Tyr1353. Tissue Specificity: Expressed in colon, skin, lung and bone marrow.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-RON antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RON around the phosphorylation site of Tyr1353.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Proteolytic processing yields the two subunits. Autophosphorylated in response to ligand binding on Tyr-1238 and Tyr-1239 in the kinase domain leading to further phosphorylation of Tyr-1353 and Tyr-1360 in the C-terminal multifunctional docking site. Ubiquitinated. Ubiquitination by CBL regulates the receptor stability and activity through proteasomal degradation.
Subunit Structure	Heterodimer of an alpha chain and a beta chain which are disulfide linked. Binds PLXNB1. Associates with and is negatively regulated by HYAL2. Interacts when phosphorylated with downstream effectors including PIK3R1, PCLG1, GRB2 and GAB1. Interacts with integrin beta1/ITGB1 in a ligand-independent fashion.
Similarity	Belongs to the protein kinase superfamily. Tyr protein kinase family.
Subcellular Location	Membrane>Single-pass type I membrane protein.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

Staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of RON (Phospho-Tyr1353) using EPO treated COS7 whole cell lysates. -/+ means absence or presence of N peptide (non-phospho peptide) and P peptide (phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-RON antibody

Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to MST1 ligand. Regulates many physiological processes including cell survival, migration and differentiation. Ligand binding at the cell surface induces autophosphorylation of RON on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with the PI3-kinase subunit PIK3R1, PLCG1 or the adapter GAB1. Recruitment of these downstream effectors by RON leads to the activation of several signaling cascades including the RAS-ERK, PI3 kinase-AKT, or PLCgamma-PKC. RON signaling activates the wound healing response by promoting epithelial cell migration, proliferation as well as survival at the wound site. Plays also a role in the innate immune response by regulating the migration and phagocytic activity of macrophages. Alternatively, RON can also promote signals such as cell migration and proliferation in response to growth factors other than MST1 ligand.

NCBI AND UNIPROT INFORMATION

NCBI GI #	349732251
NCBI GeneID	4486
NCBI Accession #	NP_001231866.1
NCBI GenBank Nucleotide #	NM_001244937.1
UniProt Accession #	Q04912; B5A944; B5A945; B5A946; B5A947
Molecular Weight	152,271 Da
NCBI Official Full Name	macrophage-stimulating protein receptor isoform 2
NCBI Official Synonym Full Names	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
NCBI Official Symbol	MST1R
NCBI Official Synonym Symbols	RON; PTK8; CD136; CDw136
NCBI Protein Information	macrophage-stimulating protein receptor; p185-Ron; MSP receptor; RON variant 21; RON variant E2E3; MST1R variant RON30; MST1R variant RON62; soluble RON variant 1; soluble RON variant 2; soluble RON variant 3; soluble RON variant 4; c-met-related tyrosine
UniProt Protein Name	Macrophage-stimulating protein receptor
UniProt Gene Name	MST1R

UniProt Synonym Gene Names	PTK8; RON; MSP receptor
UniProt Entry Name	RON_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ron-antibody-peptide-elisa-immunocytochemistry-immunofluorescence-western-blot-elisa/329952>