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www.rockland.com
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+1 484.791.3823

Datasheet for 600-401-G69

RON phospho Y1353 Antibody

Overview

Description:	Anti-RON pY1353 (RABBIT) Antibody - 600-401-G69
Item No.:	600-401-G69
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	RON pY1353 antibody detects phosphorylated RON. RON is a member of the protein kinase superfamily. Protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. RON is a heterodimer composed of an α chain and a β chain. The α chain is completely extracellular, whereas the β chain traverses the cell membrane and contains the intracellular tyrosine kinase and regulatory elements. Anti-RON Antibody is ideal for investigators involved in Cell Signaling, Cancer, Neuroscience and Signal Transduction research.
Synonyms:	rabbit anti-RON pY1353 antibody, Macrophage-stimulating protein receptor, MSP receptor, Protein-tyrosine kinase 8, p185-Ron, PTK8, RON, c-met-related tyrosine kinase, CD136
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MST1R
Reactivity:	Human
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-RON pY1353 Antibody was produced in rabbits by repeated immunizations with a synthetic phospho-peptide corresponding to residues surrounding Y1353 of human RON protein.
Purity/Specificity:	Anti-RON pY1353 was prepared from monospecific antiserum by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorptions against non-phospho peptide and non-specific peptide to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. This antibody is specific for human RON protein phosphorylated at Y1353. Cross-reactivity against RON from other species may occur but has not yet been tested.
Relevant Links:	• UniProtKB - Q04912 • NCBI - NP_002438.2 • GeneID - 4486

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-RONpY1353 Antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a predominant band at ~ 152.3 kDa corresponding to full length protein by western blotting in the appropriate cell lysate or extract. This phospho-specific polyclonal antibody reacts with human RON pY1353 and shows minimal reactivity by ELISA against the non-phosphorylated form of the immunizing peptide.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	5.0 µg/ml
WB:	1.0 ug/ml

Formulation

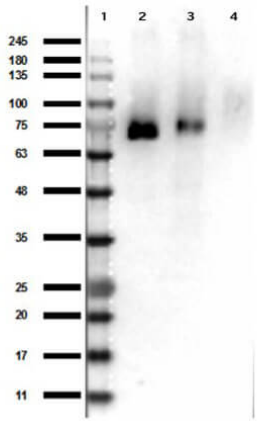
Physical State:	Liquid (sterile filtered)
Concentration:	1.1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot Results of Rabbit Anti-RONpY1353 Antibody. Lane 1: Opal Prestained Ladder - (p/n MB-210-0500). Lane 2: rRON-GST. Lane 3: rPhospho-RON-GST. Lane 4: GST alone (p/n 000-001-200). Load: 50ng. Primary Antibody: Anti-RONpY1353 at 1ug/mL overnight at 4°C. Secondary Antibody: Goat anti-Rabbit HRP conjugated - (p/n 611-103-122) at 1:70,000. Block: Blocking Buffer (p/n MB-070) for 30min at RT.

Disclaimer

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