

AB-PK800

Ron-pY1238 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase Ron (RONa)



KINEXUS

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Target Protein

Name Long:	Macrophage-stimulating protein receptor alpha chain
Alias:	CD136; CD136 antigen; CDW136; C-met-related tyrosine kinase; Kinase RON; Macrophage stimulating 1 receptor; Macrophage-stimulating protein receptor precursor; MSP receptor; MST1R; PTK8; STK; CCDS2807.1; ENSG00000164078
UniProt ID:	Q04912
Sequence Predicted Mass (KDa):	152.271 (1400 AA; Q04912); 147.277 (1351 AA; Q04912-2); 97.315 (907 AA; Q04912-5); 69.265 (647 AA; Q04912-6); 57.721 (541 AA; Q04912-4); 52.519 (495 AA; Q04912-3)
Observed SDS-PAGE Mass (KDa):	150-220

Immunogen

Antibody Immunogen Source:	Human Ron (RONa) sequence peptide Cat. No.: PE-04ADR99 + PE-04AFP99
Antibody Immunogen Sequence:	DRE(pY)YSV(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues D1235 to V1241; In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-1238

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipep peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	150196
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Strong immunoreactivity with immunogen peptide on dot blots.
Overall Antibody Specificity:	Very high selectivity

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)