

AB-PK915

Ret-pY1062 Antibody

Phosphosite-specific rabbit polyclonal antibody for Ret (GDNF receptor). This phosphotyrosine-site antibody is highly specific for phosphotyrosine.

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Target Protein

Protein Name Long:	Proto-oncogene tyrosine-protein kinase receptor Ret
Protein Alias:	CDHF12; C-ret; GDNF receptor; Glial cell line-derived neurotrophic factor receptor; HSCR1; MEN2A; MEN2B; MTC1; PTC; Ret51; Ret-ELE1; CCDS7200.1; ENSG00000165731; B4DGX8; O43519; Q8IZR8; Q8NFE8; Q99886; Q9UM90; Q9UMQ4; F5CNE9; Q14277; Q15300; Q9UE13
UniProt ID:	P07949
Protein Molecular Mass:	124,319 Da (1114 AA; P07949); 119,847 Da (1072 AA; P07949-2)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human Ret
Antibody Immunogen Sequence:	NKL(pY)GMS(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues N1059 to S1065. Y1062 phosphorylation stimulates phosphotransferase activity, and induces interaction with Crk, DOK6, FRS2, Gab1, IRS1, PIK3R1, PRKCA, RAPGEF1, Shc1, Shc3, and PTPN11 (SHP2). This is a minor site of <i>in vivo</i> phosphorylation of Ret based on ≥4 mass spectrometry reports recorded in PhosphoSitePlus. Ret is known to be phosphorylated at this site <i>in vitro</i> by Ret.
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipеп 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 these animals 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.
Amount:	25 µg
Antibody Concentration:	0.65 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	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.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Dog Rat Mouse Platypus

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 <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987