

AB-PN790

CHRM1-pS451+pT455+pS457 Antibody

Phosphosite-specific rabbit polyclonal antibody for CHRM1



KINEXUS

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Target Protein

Protein Name Long:	Muscarinic acetylcholine receptor M1
Protein Alias:	
UniProt ID:	P11229
Protein Molecular Mass:	51,421 Da (460 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human CHRM1
Antibody Immunogen Sequence:	G(pS)VHR(pT)P(pS)RQC
Antibody Immunogen Description:	Corresponds to amino acid residues G450 to Q459. S451, T455 and S457 phosphorylation is likely to be inhibitory to downstream signalling. These are minor <i>in vivo</i> phosphorylation sites in Chk2 (≥ 4 , ≥ 3 and ≥ 3 reports, respectively, from high throughput mass spectrometry studies recorded in PhosphoSitePlus).
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 μ g
Antibody Concentration:	0.5 mg/ml
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at $+4^{\circ}\text{C}$ 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 μ g/ml for immunoblotting
Antibody Species Reactivity:	Human Rhesus macaque Dog Rat Mouse

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