

AB-PP540

PPM1B-pY367 Antibody

Phosphosite-specific rabbit polyclonal antibody for PPPM1B (PP2Cb; PPM1B). This phosphotyrosine-site antibody is highly specific for phosphotyrosine.

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Target Protein

Protein Name Long:	Protein phosphatase 1B; Protein phosphatase 2C isoform beta
Protein Alias:	PP2C-beta, PP2CB, Protein phosphatase 2C isoform beta
UniProt ID:	O75688
Protein Molecular Mass:	52,643 Da (479 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human PPM1B
Antibody Immunogen Sequence:	CIEAV(pY)SRL
Antibody Immunogen Description:	Corresponds to amino acid residues I363 to L370. The effect of PPM1B Y367 phosphorylation is unclear. This is one of the major sites of <i>in vivo</i> phosphorylation of PPPM1B based on ≥ 15 mass spectrometry reports recorded in PhosphoSitePlus. PPPM1B is known to be phosphorylated at this site <i>in vitro</i> by Abl1.
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:	0.7 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 Rhesus macaque 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