

AB-PP506

PPP3CC-pS463 Antibody

Phosphosite-specific rabbit polyclonal antibody for PPP3CC (Calcineurin Ag). This phosphoserine-site antibody also cross-reacts with phosphothreonine and serine substitutions in the phosphosite.

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Target Protein

Protein Name Long:	Serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform
Protein Alias:	Calcineurin A gamma; Calcineurin, testis-specific catalytic subunit; CALNA3; CAM- PRP catalytic subunit; EC 3.1.3.16; P2BC; PP2BC; PP2B-gamma
UniProt ID:	P48454
Protein Molecular Mass:	57,073 Da (502 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human PPP3CC
Antibody Immunogen Sequence:	KIR(pS)FEE(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues K460 to E466. The effect of S463 phosphorylation is unclear. This is one of the minor sites of <i>in vivo</i> phosphorylation of PPP3CC (≥7 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). This particular human phosphosite is highly conserved in vertebrates and also found in the fruit fly.
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 multipепptide 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:	0.75 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 Chimpanzee Rhesus macaque Dog Rat Mouse Platypus Frog Zebra fish Fruit fly

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