

AB-PP553

PPP6C-pY261 Antibody

Phosphosite-specific rabbit polyclonal antibody for PPP6C. This phosphotyrosine-site antibody also cross-reacts with phosphothreonine and phosphoserine substitutions.

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Target Protein

Protein Name Long:	Serine/threonine-protein phosphatase 6 catalytic subunit
Protein Alias:	EC 3.1.3.16; PP6; PPP6
UniProt ID:	O00743
Protein Molecular Mass:	35,144 Da (305 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human PPP6C
Antibody Immunogen Sequence:	CSAPN(pY)SYR
Antibody Immunogen Description:	Corresponds to amino acid residues S257 to R264. The effect of Y261 phosphorylation is unclear. This is the major site of <i>in vivo</i> phosphorylation of PPP6C (≥11 reports 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 multi-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:	0.6 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 Dog Rat Mouse Chicken Frog Zebra fish Fruit fly Honey bee Nematode worm Sea urchin Poplar tree Thale cress Budding yeast Red bread mold

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