

AB-PP552

PPP2R5E-pY99 Antibody

Phosphosite-specific rabbit polyclonal antibody for PPP2R5E. This phosphotyrosine-site antibody is highly specific for phosphotyrosine.

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Target Protein

Protein Name Long:	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform
Protein Alias:	Protein phosphatase 2, regulatory subunit " epsilon
UniProt ID:	Q16537
Protein Molecular Mass:	54,699 Da (467 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human PPP2R5E
Antibody Immunogen Sequence:	ELVD(pY)ITI(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues E95 to I102. The effect of phosphorylation of Y99 is unclear, but it is a major site of <i>in vivo</i> phosphorylation (≥9 reports by mass spectrometry 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 multipep 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:	0.4 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 Platypus Chicken Frog Zebra fish Sea urchin

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