

AB-PP558

PPP1R1B-pS45+pS46 Antibody

Phosphosite-specific rabbit polyclonal antibody for PPP1R1B.



KINEXUS

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Target Protein

Protein Name Long:	Protein phosphatase 1 regulatory subunit 1B
Protein Alias:	DARPP-32; Dopamine and cAMP regulated phosphoprotein; Dopamine- and cAMP-regulated neuronal phosphoprotein; FLJ20940; IPPD; Neuronal phosphoprotein DARPP-32; PPP1R1B; PPR1B; Protein phosphatase 1, regulatory (inhibitor) subunit 1B
UniProt ID:	Q9UD71
Protein Molecular Mass:	22,963 Da (204 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human PPP1R1B
Antibody Immunogen Sequence:	LSEH(pS)(pS)PEEC
Antibody Immunogen Description:	Corresponds to amino acid residues L41 to E49.
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:	0.5 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

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