

AB-PN794

DARPP32-pY74 Antibody

Phosphosite-specific rabbit polyclonal antibody for DARPP32 (PPP1R1B). This phosphotyrosine-site antibody is highly specific for phosphotyrosine.

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Target Protein

Protein Name Long:	Dopamine- and cAMP-regulated neuronal phosphoprotein 32 KDa protein
Protein Alias:	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 DARPP32
Antibody Immunogen Sequence:	C(βA)A(pY)TPPS
Antibody Immunogen Description:	Corresponds to amino acid residues A73 to S78. The effect of Y74 phosphorylation is unclear. This is a major site of <i>in vivo</i> phosphorylation with 52 mass spectrometry reports 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 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:	0.8 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 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