

AB-PN823

GluR2-pY876 Antibody

Phosphosite-specific rabbit polyclonal antibody for GluR2. This phospho-tyrosine-site antibody is highly specific for phosphotyrosine.

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Target Protein

Protein Name Long:	Glutamate receptor 2
Protein Alias:	GluR-2; GluR-B; GluR-K2; Glutamate receptor ionotropic, AMPA 2; GRIA2
UniProt ID:	P42262
Protein Molecular Mass:	98,821 Da (883 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human GluR2
Antibody Immunogen Sequence:	CGYNV(pY)GIE
Antibody Immunogen Description:	Corresponds to amino acid residues G872 to E879. Y876 phosphorylation inhibits interaction with GRIP1. This is the major site of <i>in vivo</i> phosphorylation of GluR2 with ≥ 114 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 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 μ g
Antibody Concentration:	0.3 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 μ g/ml for immunoblotting
Antibody Species Reactivity:	Human 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