

AB-PN934

AP2B1-pY276 Antibody

Phosphosite-specific rabbit polyclonal antibody for AP2B1 (ADTB2). This phosphotyrosine-site antibody also weakly cross-reacts with a phosphothreonine substitution in the phosphosite.

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Target Protein

Protein Name Long:	AP-2 complex subunit beta
Protein Alias:	Adapter-related protein complex 2 beta 1 subunit; adaptin, beta; adaptor-related protein complex 2, beta 1 subunit; ADTB2; AP105B; beta-adaptin; CLAPB1; clathrin assembly protein complex 2 beta large chain; plasma membrane adaptor HA2/AP2 adaptin beta subunit
UniProt ID:	P63010
Protein Molecular Mass:	104,553 Da (937 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human AP2B1
Antibody Immunogen Sequence:	KDSD(pY)YNM(β A)C
Antibody Immunogen Description:	Corresponds to amino acid residues K272 to M279. The effect of Y276 phosphorylation is unclear. However, Y277 is known to affect protein interactions. This is one of the two major <i>in vivo</i> phosphorylation sites with \geq 50 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 multipеп 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:	0.45 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 $+4^{\circ}\text{C}$ 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 Rhesus macaque Rat Mouse Platypus Chicken Frog Zebra fish

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