

AB-PN941

CLTC-pY634 Antibody

Phosphosite-specific rabbit polyclonal antibody for CLTC



KINEXUS

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Target Protein

Protein Name Long:	Clathrin heavy chain 1
Protein Alias:	Clathrin heavy chain; Clathrin, heavy chain; Clathrin, heavy polypeptide (Hc); CLH; CLH1; CLH17; CLH-17; CLTCL2; Hc; KIAA0034
UniProt ID:	Q00610
Protein Molecular Mass:	191,615 Da (1,675 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human CLTC
Antibody Immunogen Sequence:	FTDL(pY)DIK(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues F630 to K637. The effect of T634 phosphorylation is unclear. This is one of the major sites of <i>in vivo</i> phosphorylation of CLTC (≥x1083 reports by mass spectrometry in PhosphoSitePlus). CLTC is known to be phosphorylated at this site <i>in vitro</i> by ZAP70.
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:	0.6 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 Rhesus macaque Dog Rat Mouse Platypus Chicken Frog Zebra fish Fruit fly Nematode worm Sea urchin

This product is for *in vitro* research use only and is not intended for use in humans or animals.

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