

AB-PN576

CDC5L-pT385 Antibody

Phosphosite-specific rabbit polyclonal antibody for CDC5L. This phospho-threonine-site antibody also cross-reacts with a glutamic acid substitution in the phosphosite.

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Target Protein

Protein Name Long:	Cell division cycle 5-like protein
Protein Alias:	CDC5; CDC5 cell division cycle 5-like; Cdc5-like protein; CDC5-related protein; CEF1; Cell division cycle 5, <i>S. pombe</i> , homolog; PCDC5RP; Pombe cdc5-related protein
UniProt ID:	Q99459
Protein Molecular Mass:	92,251 Da (802. AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human CDC5L
Antibody Immunogen Sequence:	CGGLN(pT)PLHE
Antibody Immunogen Description:	Corresponds to amino acid residues C381 to E389. The effect of T385 phosphorylation is unclear. This is one of the major <i>in vivo</i> phosphorylation sites in CDC5L (≥66 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). CDC5L is known to be phosphorylated at this site <i>in vitro</i> by ERK1 (MAPK3).
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:	1 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 Zebra fish Honey bee Red bread mold

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