

AB-PN743

CBL-pY674 Antibody

Phosphosite-specific rabbit polyclonal antibody for Cbl



KINEXUS

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Target Protein

Protein Name Long:	E3 ubiquitin-protein ligase CBL
Protein Alias:	Cas-Br-M (murine) ecotropic retroviral transforming; Cas-Br-M (murine) ecotropic retroviral transforming sequence; CBL E3 ubiquitin protein ligase; CBL2; Oncogene CBL2; Proto-oncogene c-CBL; RNF55; Signal transduction protein CBL
UniProt ID:	P22681
Protein Molecular Mass:	99,633 Da (906 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human CBL
Antibody Immunogen Sequence:	NAI(pY)SLAAC
Antibody Immunogen Description:	Corresponds to amino acid residues N671 to A678. The effect of Y674 phosphorylation is unclear. This is the major <i>in vivo</i> phosphorylation site in Cbl (≥ 732 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). This human phosphosite is highly conserved in vertebrates and also found in fish.
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 μ g
Antibody Concentration:	0.2 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 Mouse Chicken 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