

AB-PN575

C-EBP α -pT226+pT230 Antibody

Phosphosite-specific rabbit polyclonal antibody for C-EBP-alpha



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Target Protein

Protein Name Long:	CCAAT/enhancer-binding protein alpha
UniProt ID:	P49715
Protein Molecular Mass:	37,561 Da (358 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human C-EBP α
Antibody Immunogen Sequence:	CGHP(pT)PPP(pT)PVP
Antibody Immunogen Description:	Corresponds to amino acid residues C223 to P233. The effects of T226 and T230 phosphorylations are unclear. Their phosphorylation has been reported to both inhibit and activate transcriptional activity. Neither of these two phosphorylation sites have apparently been reported from high throughput mass spectrometry, although there are several literature reports for their phosphorylation. C-EBP-alpha is known to be phosphorylated <i>in vitro</i> at T226 by BARK2 (GRK3, ADRBK2), GSK3a, and GSK3b, and at T230 by GSK3a.
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:	1 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerosal
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 Rat Mouse Frog

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