

AB-PN604

HCFC1-pS1507 Antibody

Phosphosite-specific rabbit polyclonal antibody for HCFC1. This phosphoserine-site antibody also cross-reacts with phosphothreonine and glutamic acid substitutions in the phosphosite.

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Target Protein

Protein Name Long:	Host cell factor 1
Protein Alias:	C1 factor; CFF; HCF; HCF1; HCF-1; HFC1; Host cell factor; Host cell factor C1 (VP16-accessory protein); MGC70925; VCAF; VP16 accessory
UniProt ID:	P51610
Protein Molecular Mass:	208,732 Da (2,035 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human HCFC1
Antibody Immunogen Sequence:	ELQV(pS)PGPR(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues E1503 to R1511. The effect of S1507 phosphorylation is unclear. This is one of the major <i>in vivo</i> phosphorylation sites in HCFC1 (≥54 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). HCFC1 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 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 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 Dog Mouse

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