

AB-PN758

IKK γ -pS377 Antibody

Phosphosite-specific rabbit polyclonal antibody for IKK γ (NEMO). This phosphoserine-site antibody also cross-reacts with a phosphothreonine substitution in the phosphosite.

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Target Protein

Protein Name Long:	I-kappa-B kinase gamma/NF-kappa-B essential modulator
Protein Alias:	FIP3; FIP-3; I-kappa-B kinase gamma; Ikb kinase gamma subunit; Ikb kinase-associated protein 1; IKBKG; IKKAP1; IKKG; Inhibitor of nuclear factor kappa-B kinase gamma subunit; MFIP-3; NEMO; NF-kappaB essential modifier; NF-kappaB essential modulator
UniProt ID:	Q9Y6K9
Protein Molecular Mass:	48,198 Da (419 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human IKKg
Antibody Immunogen Sequence:	AYLS(pS)PLAC
Antibody Immunogen Description:	Corresponds to amino acid residues A373 to A380. S377 phosphorylation inhibits enzymatic activity. This is the major <i>in vivo</i> phosphorylation sites in IKKg (≥ 56 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). This human phosphosite is not conserved in vertebrates, but is found in the chimpanzee. IKKg 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 μ g
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

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