

AB-PN971

NF-H-pS606 Antibody

Phosphosite-specific rabbit polyclonal antibody for NF-H (NEFH)



KINEXUS

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Target Protein

Protein Name Long:	Neurofilament heavy polypeptide
Protein Alias:	200 kDa neurofilament protein; Neurofilament triplet H protein; Neurofilament, heavy polypeptide; NF-H
UniProt ID:	P12036
Protein Molecular Mass:	112,479 Da (1,026 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human NFH
Antibody Immunogen Sequence:	EKAK(pS)PVKEC
Antibody Immunogen Description:	Corresponds to amino acid residues E602 to E610. The effect of S606 phosphorylation is unknown. This is one of the major <i>in vivo</i> phosphosite in NFH by mass spectrometry (≥ 15 reports recorded in PhosphoSitePlus).
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 multipep 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:	0.35 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 $+4^{\circ}\text{C}$ 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 Rat 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