

AB-PN761

NF1-pY2577 Antibody

Phosphosite-specific rabbit polyclonal antibody for NF1



KINEXUS

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Target Protein

Protein Name Long:	Neurofibromin GTPase
Protein Alias:	Neurofibromatosis; Neurofibromatosis-related protein NF-1; Neurofibromin 1; Neurofibromin truncated; Von Recklinghausen disease; Watson disease
UniProt ID:	P21359
Protein Molecular Mass:	319,372 Da (2,839 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human NF1
Antibody Immunogen Sequence:	CAETD(pY)EME
Antibody Immunogen Description:	Corresponds to amino acid residues A2573 to E2580. The effect of Y2577 phosphorylation is unclear. This is the major <i>in vivo</i> phosphorylation site in NF1 (≥ 103 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 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:	0.2 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 Dog Rat Mouse Platypus Chicken

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