

AB-PN808

APP-pT743 Antibody

Phosphosite-specific rabbit polyclonal antibody for APP (A4; ABPP; Amyloid beta) . This phosphothreonine-site antibody is highly specific for phosphothreonine in the phosphosite.

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Target Protein

Protein Name Long:	Amyloid beta A4 protein
Protein Alias:	A4; ABPP; AD1; Alzheimer disease amyloid protein; Alzheimer's disease amyloid protein; Amyloid beta (A4) precursor protein; APPI; Beta-amyloid protein 40; Beta-amyloid protein 42; C31; C83; Cerebral vascular amyloid peptide; CVAP; Gamma-CTF(50); Gamma-CTF(57); Gamma-CTF(59); P3(40); P3(42); Peptidase nexin-II; PN-II; PreA4; Protease nexin-II; Soluble APP-alpha (S-APP-alpha); Soluble APP-beta (S-APP-beta)
UniProt ID:	P05067
Protein Molecular Mass:	86,943 Da (770 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human APP
Antibody Immunogen Sequence:	CAAV(pT)PEE
Antibody Immunogen Description:	Corresponds to amino acid residues A740 to E746. Phosphorylation of T743 regulates protein location and interactions. APP is known to be phosphorylated at this site <i>in vitro</i> by CDK1 and LRRK2.
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:	0.9 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 Chicken Frog Zebra fish Tiger blowfish Nematode worm

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