

AB-PN1026

GAP43-pS142+pT144 Antibody

Phosphosite-specific rabbit polyclonal antibody for GAP43



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Target Protein

Protein Name Long:	Neuromodulin
Protein Alias:	Axonal membrane protein GAP-43; B-50; BASP2; Calmodulin-binding protein P-57; Growth associated protein 43; Growth-associated protein 43; Nerve growth-related peptide GAP43; NEUM; Neural phosphoprotein B-50; Neuron growth-associated protein 43; PP46; Protein F1
UniProt ID:	P17677
Protein Molecular Mass:	24,803 Da (238 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human GAP43
Antibody Immunogen Sequence:	CAETE(pS)A(pT)KAS
Antibody Immunogen Description:	Corresponds to amino acid residues A138 to S1477
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 µg
Antibody Concentration:	0.5 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 Rhesus Macaque Dog Rat Mouse Chicken Frog

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