

AB-PN958

GABPA-pY380+pY381 Antibody

Phosphosite-specific rabbit polyclonal antibody for GABPA



KINEXUS

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Target Protein

Protein Name Long:	GA binding protein transcription factor, alpha
Protein Alias:	GA binding protein transcription factor, alpha; Transcription factor E4TF1-60
UniProt ID:	Q06546
Protein Molecular Mass:	51,295 Da (454 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human GABPA
Antibody Immunogen Sequence:	ALR(pY)pY)YDG(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues A377 to G384. The effect of Y380, Y381 and Y382 phosphorylation (only one report by mass spectrometry for each in PhosphoSitePlus) is unclear.
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 multipеп 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:	0.65 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 Zebra fish Sea urchin

This product is for *in vitro* research use only and is not intended for use in humans or animals.

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