

AB-PN600

GATAD2B-pT120+pS122 Antibody

Phosphosite-specific rabbit polyclonal antibody for GATAD2B



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Target Protein

Protein Name Long:	Transcriptional repressor p66-beta
Protein Alias:	GATA zinc finger domain containing 2B; KIAA1150; P66 beta; P66/p68; P66beta; Transcription repressor p66 beta component of the MeCP1 complex; Transcriptional repressor p66 beta
UniProt ID:	Q8WXI9
Protein Molecular Mass:	65,261 Da (593 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human GATAD2B
Antibody Immunogen Sequence:	CGRL(pT)P(pS)PDI
Antibody Immunogen Description:	Corresponds to amino acid residues C117 to I125. The effect of T120 and S122 phosphorylation are unclear. These are two of the major <i>in vivo</i> phosphorylation sites in GATAD2B (≥ 90 and ≥ 86 reports, respectively, from high throughput mass spectrometry studies recorded in PhosphoSitePlus). GATAD2B is known to be phosphorylated <i>in vitro</i> at S122 by PRP4 (PRPF4B).
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 μ g
Antibody Concentration:	1 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 Chimpanzee Rhesus macaque Dog Rat Mouse Zebra fish

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

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