

AB-PN726

SMARCA4-pS610+pS613 Antibody

Phosphosite-specific rabbit polyclonal antibody for SMARCA4. This phosphoserine-site antibody is highly specific for phosphoserine in the phosphosite.

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Target Protein

Protein Name Long:	Transcription activator BRG1
Protein Alias:	Brahma 1; BRG1; BRG-1; EC 3.6.1.-; Global transcription activator SNF2L4; SMCA4; SN24; SNF2B; SNF2-beta; SNF2L4
UniProt ID:	P51532
Protein Molecular Mass:	184,646 Da (1,647 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human SMARCA4
Antibody Immunogen Sequence:	DET(pS)QM(pS)DLP(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues D607 to P616. The effects of S610 and S613 phosphorylation are unclear. These are the major sites on <i>in vivo</i> phosphorylation based on ≥56 and ≥69 mass spectrometry reports, respectively, in PhosphoSitePlus. .
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:	0.8 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 | Dog | Rat | Chicken | 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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