

AB-PN740

ARID1A-pS363 Antibody

Phosphosite-specific rabbit polyclonal antibody for ARID1A. This phosphoserine-site antibody also cross-reacts with a phosphothreonine substitution in the phosphosite.

Website: www.kinexus.ca
Email: info@kinexus.ca
Phone: 604-323-2547



Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Target Protein

Protein Name Long:	AT-rich interactive domain-containing protein 1A
Protein Alias:	ARI1A; AT rich interactive domain 1A; B120; BAF250; BAF250a; BRG1-associated factor 250; BRG1-associated factor 250a; C10rf4; C1orf4; HELD; Osa homolog 1; P270; SMARCF1; SMF1; SWI/SNF-related, matrix-associated, actin-dependent regulator of chromatin subfamily F member 1; SWI-like; SWI-like protein; SWI-SNF complex protein p270
UniProt ID:	O14497
Protein Molecular Mass:	242,045 Da (2,285 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human ARID1A
Antibody Immunogen Sequence:	HAPM(pS)PGS(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues H359 to S366. The effect of S363 phosphorylation is unclear. This is one of the major <i>in vivo</i> phosphorylation sites in ARID1A (≥89 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). This human phosphosite is not conserved in mammals, but is found in the mouse. ARID1A is known to be phosphorylated at this site <i>in vitro</i> by CDK2.
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:	0.75 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

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