

AB-PN739

APC-pS2129 Antibody

Phosphosite-specific rabbit polyclonal antibody for APC



KINEXUS

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:	Adenomatous polyposis coli protein
Protein Alias:	Adenomatous polyposis coli; Adenomatous polyposis of the colon gene; APC protein; Deleted in polyposis 2.5; DP2; DP2.5; DP3; MAPC
UniProt ID:	P25054
Protein Molecular Mass:	311,646 Da (2,843 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human APC
Antibody Immunogen Sequence:	RQA(pS)SDS(β A)C
Antibody Immunogen Description:	Corresponds to amino acid residues R2126 to S2132. The effect of S2129 phosphorylation is unclear. This is one of the major <i>in vivo</i> phosphorylation sites in APC (≥ 40 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). This human phosphosite is highly conserved in mammals, and is found in the chicken. APC is known to be phosphorylated at this site <i>in vitro</i> by MAPKAPK2.
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:	0.45 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 $+4^{\circ}\text{C}$ 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 Mouse Platypus Chicken

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