

AB-PN789

BRCA2-pS70 Antibody

Phosphosite-specific rabbit polyclonal antibody for BRCA2. 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:	Breast cancer type 2 susceptibility protein
Protein Alias:	BRCA1/BRCA2-containing complex, subunit 2; BRCC2; breast cancer 2, early onset; FADC; FAD; FAD1; familial breast/ovarian cancer gene 2; FANCD; FANCD1
UniProt ID:	P51587
Protein Molecular Mass:	384,225 Da (3,418 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human BRCA2
Antibody Immunogen Sequence:	RKP(pS)YNQ(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues R67 to Q73. The effect of S70 phosphorylation is unclear. This is a major <i>in vivo</i> site of phosphorylation for BRCA2 (≥14 reports by mass spectrometry 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 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 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 Rat Mouse Platypus

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