

AB-PN521

ITSN2-pY968 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human ITSN2



KINEXUS

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Target Protein

Name Long:	Intersectin-2
Alias:	ITSN2; KIAA1256; PRO2015; SH3 domain protein 1B; SH3 domain-containing protein 1B; SH3D1B; SH3P18; SH3P18-like WASP associated protein; SH3P18-like WASP-associated protein; SWA; SWAP
UniProt ID:	Q9NZM3
Sequence Predicted Mass (KDa):	193.461 (1.697 AA; Q9NZM3-1); 190.496 (1.670 AA; Q9NZM3-2); 141.820 (1.249 AA; Q9NZM3-3); 135.144 (1.192 AA; Q9NZM3-4)
Observed SDS-PAGE Mass (KDa):	140-170

Immunogen

Antibody Immunogen Source:	Human ITSN2 sequence peptide Cat. No.: PE-04ADA99
Antibody Immunogen Sequence:	EAL(pY)AAV(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues E965 to V971; In the insert region that separates the SH3_2 and SH3_1 domains. This is the second major in vivo phosphorylation site in ITSN2.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-968

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепeptide 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 each animal 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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	150205
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
Storage Conditions and Stability:	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.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammalian species
Antibody Positive Controls:	Strong immunoreactivity with immunogen peptide on dot blots.
Detection by Immunoblotting in Cell/Tissue Lysates:	Weak immunoreactivity of a target-sized protein by Western blotting in A431 cells and HepG2 cells.
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in HepG2 and Jurkat cells.

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 www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)