

AB-PN534

SHIP2-pY886 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human SHIP2 (INPPL1)



KINEXUS

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Target Protein

Name Long:	Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2
Alias:	51C protein; Inositol polyphosphate 5-phosphatase; Inositol polyphosphate phosphatase-like 1; SH2-containing inositol 5-phosphatase 2; SHIP2
UniProt ID:	O15357
Sequence Predicted Mass (KDa):	138.599 (1.258 AA; O15357-1); 113.176 (1.016 AA; O15357-2)
Observed SDS-PAGE Mass (KDa):	130-160

Immunogen

Antibody Immunogen Source:	Human SHIP2 (INPPL1) sequence peptide Cat. No.: PE-04AES99
Antibody Immunogen Sequence:	ERL(pY)EWI(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues E883 to I889; In the region between the Exo-endo_phos and SHAM_1 domains. This is one of the main in vivo phosphorylation sites in proteins.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-886

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 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 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:	150106
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
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 mammals
Detection by Immunoblotting in Cell/Tissue Lysates:	Medium immunoreactivity of a target-sized protein by Western blotting in HeLa cells.
Overall Antibody Specificity:	High-very high selectivity
Antibody Cross Reactivities:	Almost no significant cross-reactivities detected in HeLa cells, except phenylarsine oxide (PAO) increases 140 + 55 KDa proteins; No significant cross-reactivities detected in HepG2 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)