

AB-PN537

snRNP 70-pY126 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human snRNP 70



KINEXUS

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Target Protein

Name Long:	U1 small nuclear ribonucleoprotein 70 kDa
Alias:	RNPU1Z; RPU1; RU17; small nuclear ribonucleoprotein 70kDa (U1); Snp1; SNRNP70; SNRP70; U1 small nuclear ribonucleoprotein 70 kDa; U1 snRNP 70 kDa; U1-70K; U170K; U1AP; U1AP1; U1RNP
UniProt ID:	P08621
Sequence Predicted Mass (kDa):	51.557 (437 AA; P08621-1); 50.618 (428 AA; P08621-2); 19.790 (166 AA; P08621-3); 39.191 (341 AA; P08621-4)
Observed SDS-PAGE Mass (kDa):	60-65

Immunogen

Antibody Immunogen Source:	Human snRNP 70 sequence peptide Cat. No.: PE-04AFF99
Antibody Immunogen Sequence:	FEV(pY)GPI(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues F123 to I129; In the RRM_1 domain. This is the major in vivo phosphorylation site in snRNP70.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-126

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 multipep 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 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 vertebrates; Phosphosite is highly conserved in diverse species
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in HeLa and T98G 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)