

AB-PN861

TP73-pY99 Antibody

Phosphosite-specific rabbit polyclonal antibody for p73 (TRP73)



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Target Protein

Protein Name Long:	Tumor protein p73
Protein Alias:	p53-like transcription factor; p53-related protein; P73; P73 alpha protein; p73-alpha; TP73; TRP73
UniProt ID:	O15350
Protein Molecular Mass:	69,623 Da (636 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human TP73
Antibody Immunogen Sequence:	HSP(pY)AQP
Antibody Immunogen Description:	Corresponds to amino acid residues H96 to P102. The effect of TP73 Y99 phosphorylation is unclear. This is a minor site of <i>in vivo</i> phosphorylation based on ≥ 1 mass spectrometry report recorded in PhosphoSitePlus. p73 is known to be phosphorylated at this site <i>in vitro</i> by Abl1.
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 multipеп 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 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:	0.4 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 Dog Mouse

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