

AB-PN675

TERF1-pT371 Antibody

Phosphosite-specific rabbit polyclonal antibody for TERF1. This phosphothreonine-site antibody also cross-reacts with a phosphoserine 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:	Telomeric repeat-binding factor 1
Protein Alias:	NIMA-interacting protein 2; PIN2; Telomeric protein Pin2/TRF1; Telomeric repeat binding factor (NIMA-interacting) 1; Telomeric repeat binding factor 1; TRBF1; TRF; TTAGGG repeat binding factor 1; TTAGGG repeat-binding factor 1
UniProt ID:	P54274
Protein Molecular Mass:	50,246 Da (439 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human TERF1
Antibody Immunogen Sequence:	SQPV(pT)PEKH(β A)C
Antibody Immunogen Description:	Corresponds to amino acid residues S367 to H375. T371 phosphorylation generates a docking site for Plk1 at S435. This is one of the major sites of <i>in vivo</i> phosphorylation of TERF1. This is a major site of <i>in vivo</i> phosphorylation of TERF1 based on ≥ 9 mass spectrometry reports recorded in PhosphoSitePlus. TERF1 is known to be phosphorylated at this site <i>in vitro</i> by CDK1 (CDC2).
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 μ g
Antibody Concentration:	1 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 Rhesus macaque Rat 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