

AB-PN616

LEF1-pT155 Antibody

Phosphosite-specific rabbit polyclonal antibody for LEF1. This phosphothreonine-site antibody also cross-reacts with phosphoserine, serine, threonine and glutamic acid substitutions in the phosphosite.

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Target Protein

Protein Name Long:	Lymphoid enhancer-binding factor 1
Protein Alias:	
UniProt ID:	Q9UJU2
Protein Molecular Mass:	44,201 Da (399 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human LEF1
Antibody Immunogen Sequence:	VHPL(pT)PLIT(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues V151 to T159. T155 phosphorylation regulates transcription, although one report indicates inhibition, whereas another describes induction. This is one of the major <i>in vivo</i> phosphorylation sites in LEF1 (≥11 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). LEF1 is known to be phosphorylated at this site <i>in vitro</i> by NLK.
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 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 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 µg
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 Dog Rat Mouse Frog Zebra fish

This product is for *in vitro* research use only and is not intended for use in humans or animals.

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