

AB-PN647

PU.1-pS146 Antibody

Phosphosite-specific rabbit polyclonal antibody for PU.1 (SPI-1)



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Target Protein

Protein Name Long:	Transcription factor PU.1
Protein Alias:	31 kDa transforming protein; 31 kDa-transforming protein; Hematopoietic transcription factor PU.1; OF; SFPI1; SPI1; SPI-1; SPI-1 proto-oncogene; SPI-A; Spleen focus forming virus (SFFV) proviral integration oncogene spi1
UniProt ID:	P17947
Protein Molecular Mass:	31,083 Da (270 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human PU.1
Antibody Immunogen Sequence:	PLEV(pS)DGEAC
Antibody Immunogen Description:	Corresponds to amino acid residues P142 to A150. S146 phosphorylation induces transcriptional activation and interaction with DNA, IRF2, IRF4, IRF8, PIP and PU1. This is one of the major sites of <i>in vivo</i> phosphorylation of PU.1 based on ≥ 4 mass spectrometry reports recorded in PhosphoSitePlus. PU.1 is known to be phosphorylated at this site <i>in vitro</i> by CK2a1 (CSNK2A1).
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:	0.5 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 Rat Mouse Platypus Frog Zebra fish

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