

AB-PN683

YAP1-pS127 Antibody

Phosphosite-specific rabbit polyclonal antibody for YAP1. This phosphoserine-site antibody is highly specific for phosphoserine in the phosphosite.

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Target Protein

Protein Name Long:	Yorkie homologue
Protein Alias:	YAP2; YAP65; Yes-associated protein 1, 65kDa
UniProt ID:	P46937
Protein Molecular Mass:	48,755 Da (454 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human YAP1
Antibody Immunogen Sequence:	VRAH(pS)SPA(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues V123 to A130. S127 phosphorylation facilitates cytoplasmic retention with binding to the 14-3-3 protein YWHAB, and increased interaction with and transcriptional coactivity towards ERBB4. This is one of the major sites of <i>in vivo</i> phosphorylation of YAP based on ≥212 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus. YAP1 is known to be phosphorylated at this site <i>in vitro</i> by Akt1 (PKBa), LATS1, LATS2 (KPM), MST2 (CLIK1, STK3), and NDR1.
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 multi-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% Thimerosal
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 Rat Mouse Chicken Honey bee

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