

AB-PN681

YAP1-pS109 Antibody

Phosphosite-specific rabbit polyclonal antibody for YAP1



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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:	SRQA(pS)TDAGC
Antibody Immunogen Description:	Corresponds to amino acid residues S105 to G113. S109 phosphorylation promotes nuclear export and cell apoptosis, and inhibition of transcription and cell growth. This is the major site of <i>in vivo</i> phosphorylation of YAP based on ≥401 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus. YAP1 is known to be phosphorylated at this site <i>in vitro</i> by LATS1, and LATS2 (KPM).
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 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 Rat Mouse Chicken

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