

# AB-PP530

## PPP1CB-pY306 Antibody

Phosphosite-specific rabbit polyclonal antibody for PPP1CB (PP1/Cb). This phosphotyrosine-site antibody also cross-reacts with a phosphothreonine substitution of the phosphosite.

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### Target Protein

<b>Protein Name Long:</b>	Serine/threonine-protein phosphatase PP1-beta catalytic subunit
<b>Protein Alias:</b>	EC 3.1.3.16; PP1B; PP-1B
<b>UniProt ID:</b>	P62140
<b>Protein Molecular Mass:</b>	37,187 Da (327 AA)

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic phosphopeptide patterned after human PPP1CB
<b>Antibody Immunogen Sequence:</b>	CAKYQ(pY)GGL
<b>Antibody Immunogen Description:</b>	Corresponds to amino acid residues A302 to L309. The effect of Y306 phosphorylation is unclear. This is a major <i>in vivo</i> phosphorylation site in PPP1CB based on $\geq 314$ mass spectrometry reports recorded in PhosphoSitePlus.
<b>Antibody Target Type:</b>	Phosphosite-specific

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Isotype:</b>	IgG
<b>Production Method:</b>	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.
<b>Amount:</b>	25 $\mu$ g
<b>Antibody Concentration:</b>	0.8 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
<b>Storage Conditions:</b>	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.
<b>Storage Stability:</b>	>2 years

## Applications

<b>Product Use:</b>	Western blotting   Antibody microarray
<b>Antibody Dilution Recommended:</b>	2 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human   Rhesus macaque   Zebra fish   Honey bee   Sea Urchin

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