

# AB-PP507

## PPP5C-pY119 Antibody

Phosphosite-specific rabbit polyclonal antibody for PPP5C (PP5C; PP5; PPT). This phosphotyrosine-site antibody is highly specific for phosphotyrosine.

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### Target Protein

<b>Protein Name Long:</b>	Serine/threonine-protein phosphatase 5
<b>Protein Alias:</b>	EC 3.1.3.16; PP5; PPP5; PPT; PP-T; Protein phosphatase 5, catalytic subunit; Protein phosphatase T; Serine/threonine protein phosphatase 5
<b>UniProt ID:</b>	P53041
<b>Protein Molecular Mass:</b>	56,879 Da (499 AA; P53041-1)

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic phosphopeptide patterned after human PPP5C
<b>Antibody Immunogen Sequence:</b>	LRD(pY)ETV(βA)C
<b>Antibody Immunogen Description:</b>	Corresponds to amino acid residues L116 to V122. The effect of Y119 phosphorylation is unclear. This is one of the minor sites of <i>in vivo</i> phosphorylation of PPP5C (≥12 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). This particular human phosphosite is highly conserved in vertebrates and also found in the sea urchin.
<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 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.
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	0.35 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   Chimpanzee   Rhesus macaque   Rat   Mouse   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