

**PPP2R2A Blocking Peptide (N-term)**  
**Synthetic peptide**  
**Catalog # BP21237a****Specification**

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**PPP2R2A Blocking Peptide (N-term) - Product Information**Primary Accession [P63151](#)**PPP2R2A Blocking Peptide (N-term) - Additional Information****Gene ID** 5520**Other Names**

Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform, PP2A subunit B isoform B55-alpha, PP2A subunit B isoform PR55-alpha, PP2A subunit B isoform R2-alpha, PP2A subunit B isoform alpha, PPP2R2A

**Target/Specificity**

The synthetic peptide sequence is selected from aa 126-140 of HUMAN PPP2R2A

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PPP2R2A Blocking Peptide (N-term) - Protein Information****Name** PPP2R2A**Function**

Substrate-recognition subunit of protein phosphatase 2A (PP2A) that plays a key role in cell cycle by controlling mitosis entry and exit (PubMed: [1849734](http://www.uniprot.org/citations/1849734), PubMed: [33108758](http://www.uniprot.org/citations/33108758)). Involved in chromosome clustering during late mitosis by mediating dephosphorylation of MKI67 (By similarity). Essential for serine/threonine-protein phosphatase 2A- mediated dephosphorylation of WEE1, preventing its ubiquitin-mediated proteolysis, increasing WEE1 protein levels, and promoting the G2/M checkpoint (PubMed: [33108758](http://www.uniprot.org/citations/33108758)).

**Tissue Location**

Expressed in all tissues examined.

## **PPP2R2A Blocking Peptide (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **PPP2R2A Blocking Peptide (N-term) - Images**

## **PPP2R2A Blocking Peptide (N-term) - Background**

The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.

## **PPP2R2A Blocking Peptide (N-term) - References**

Mayer R.E.,et al.Biochemistry 30:3589-3597(1991).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Nusbaum C.,et al.Nature 439:331-335(2006).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Li H.H.,et al.EMBO J. 26:402-411(2007).