

**PPP1R9A Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18808c**

**Specification**

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**PPP1R9A Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q9ULJ8](#)

**PPP1R9A Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 55607

**Other Names**

Neurabin-1, Neurabin-I, Neural tissue-specific F-actin-binding protein I, Protein phosphatase 1 regulatory subunit 9A, PPP1R9A, KIAA1222

**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.

**PPP1R9A Antibody (Center) Blocking Peptide - Protein Information**

**Name** PPP1R9A

**Synonyms** KIAA1222

**Function**

Binds to actin filaments (F-actin) and shows cross-linking activity. Binds along the sides of the F-actin. May be involved in neurite formation. Inhibits protein phosphatase 1-alpha activity (By similarity).

**Cellular Location**

Cytoplasm, cytoskeleton. Synapse, synaptosome

**PPP1R9A Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PPP1R9A Antibody (Center) Blocking Peptide - Images**

**PPP1R9A Antibody (Center) Blocking Peptide - Background**

This gene is imprinted, and located in a cluster of imprinted genes on chromosome 7q12. This gene is transcribed in both neuronal and multiple embryonic tissues, and it is maternally expressed mainly in embryonic skeletal muscle tissues and biallelically expressed in other embryonic tissues. The protein encoded by this gene includes a PDZ domain and a sterile alpha motif (SAM). It is a regulatory subunit of protein phosphatase I, and controls actin cytoskeleton reorganization. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

**PPP1R9A Antibody (Center) Blocking Peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Suarez-Gestal, M., et al. Arthritis Res. Ther. 12 (2), R72 (2010) ; Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Nakabayashi, K., et al. J. Med. Genet. 41(8):601-608(2004)