

**PRRG1 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13343a**

**Specification**

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**PRRG1 Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [O14668](#)

**PRRG1 Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 5638

**Other Names**

Transmembrane gamma-carboxyglutamic acid protein 1, Proline-rich gamma-carboxyglutamic acid protein 1, Proline-rich Gla protein 1, PRRG1, PRGP1, TMG1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13343a was selected from the N-term region of PRRG1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**PRRG1 Antibody (N-term) Blocking peptide - Protein Information**

**Name** PRRG1

**Synonyms** PRGP1, TMG1

**Cellular Location**

Membrane; Single-pass type I membrane protein

**Tissue Location**

Highly expressed in the spinal cord.

**PRRG1 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**PRRG1 Antibody (N-term) Blocking peptide - Images****PRRG1 Antibody (N-term) Blocking peptide - Background**

This gene encodes a vitamin K-dependent, gamma-carboxyglutamic acid (Gla)-containing, single-pass transmembrane protein. This protein contains a Gla domain at the N-terminus, preceded by a propeptide sequence required for post-translational gamma-carboxylation of specific glutamic acid residues by a vitamin K-dependent gamma-carboxylase. The C-terminus is proline-rich containing PPXY and PXXP motifs found in a variety of signaling and cytoskeletal proteins. This gene is highly expressed in the spinal cord. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq].

**PRRG1 Antibody (N-term) Blocking peptide - References**

Lamesch, P., et al. Genomics 89(3):307-315(2007) Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006) Ross, M.T., et al. Nature 434(7031):325-337(2005) Kulman, J.D., et al. Proc. Natl. Acad. Sci. U.S.A. 94(17):9058-9062(1997)