

**RGN Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7487c****Specification**

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**RGN Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q15493](#)**RGN Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9104**Other Names**

Regucalcin, RC, Gluconolactonase, GNL, Senescence marker protein 30, SMP-30, RGN, SMP30

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7487c](/products/AP7487c) was selected from the Center region of human RGN. 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.

**RGN Antibody (Center) Blocking Peptide - Protein Information****Name** RGN**Synonyms** SMP30**Function**

Gluconolactonase with low activity towards other sugar lactones, including gulonolactone and galactonolactone. Can also hydrolyze diisopropyl phosphorofluoridate and phenylacetate (in vitro). Calcium-binding protein. Modulates Ca(2+) signaling, and Ca(2+)- dependent cellular processes and enzyme activities (By similarity).

**Cellular Location**

Cytoplasm.

## **RGN Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **RGN Antibody (Center) Blocking Peptide - Images**

## **RGN Antibody (Center) Blocking Peptide - Background**

RGN is a highly conserved, calcium-binding protein, that is preferentially expressed in the liver and kidney. This protein may have an important role in calcium homeostasis. Studies in rat indicate that the protein may also play a role in aging, as it shows age-associated down-regulation.

## **RGN Antibody (Center) Blocking Peptide - References**

Ishigami,A., Handa,S. Biosci. Biotechnol. Biochem. 67 (1), 158-160 (2003)Fujita,T., Shirasawa,T. Mech. Ageing Dev. 107 (3), 271-280 (1999)Fujita,T., Mandel,J.L. Biochim. Biophys. Acta 1263 (3), 249-252 (1995)