

**SCG5 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9012b****Specification**

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**SCG5 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P05408](#)**SCG5 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 6447**Other Names**

Neuroendocrine protein 7B2, Pituitary polypeptide, Secretogranin V, Secretogranin-5, Secretory granule endocrine protein I, N-terminal peptide, C-terminal peptide, SCG5, SGNE1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9012b](/products/AP9012b) was selected from the C-term region of human SCG5. 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.

**SCG5 Antibody (C-term) Blocking Peptide - Protein Information****Name** SCG5**Synonyms** SGNE1**Function**

Acts as a molecular chaperone for PCSK2/PC2, preventing its premature activation in the regulated secretory pathway. Binds to inactive PCSK2 in the endoplasmic reticulum and facilitates its transport from there to later compartments of the secretory pathway where it is proteolytically matured and activated. Also required for cleavage of PCSK2 but does not appear to be involved in its folding. Plays a role in regulating pituitary hormone secretion. The C-terminal peptide inhibits PCSK2 in vitro.

**Cellular Location**

Secreted {ECO:0000250|UniProtKB:P01165}. Note=Neuroendocrine and endocrine secretory

granules {ECO:0000250|UniProtKB:P01165}

### **SCG5 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **SCG5 Antibody (C-term) Blocking Peptide - Images**

### **SCG5 Antibody (C-term) Blocking Peptide - Background**

SCG5 acts as a molecular chaperone for PCSK2/PC2, preventing its premature activation in the regulated secretory pathway. It binds to inactive PCSK2 in the endoplasmic reticulum and facilitates its transport from there to later compartments of the secretory pathway where it is proteolytically matured and activated. Also required for cleavage of PCSK2 but does not appear to be involved in its folding. It plays a role in regulating pituitary hormone secretion. The C-terminal peptide inhibits PCSK2 in vitro.

### **SCG5 Antibody (C-term) Blocking Peptide - References**

Brayton,K.A., et.al., DNA 7 (10), 713-719 (1988)