

**SCGN Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1458a****Specification**

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**SCGN Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O76038](#)**SCGN Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10590**Other Names**

Secretagogin, SCGN, SECRET

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1458a](/product/products/AP1458a) was selected from the N-term region of human SCGN. 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.

**SCGN Antibody (N-term) Blocking Peptide - Protein Information****Name** SCGN**Synonyms** SECRET**Cellular Location**

Cytoplasm. Secreted. Cytoplasmic vesicle, secretory vesicle membrane; Peripheral membrane protein; Cytoplasmic side Note=Predominantly cytoplasmic. A small proportion is associated with secretory granules and membrane fractions (By similarity). Detectable in human serum after ischemic neuronal damage.

**Tissue Location**

Expressed at high levels in the pancreatic islets of Langerhans and to a much lesser extent in the gastrointestinal tract (stomach, small intestine and colon), the adrenal medulla and cortex and the thyroid C-cells. In the brain, the expression is restricted to distinct subtypes of neurons with highest expression in the molecular layer of the cerebellum (stellate and basket cells), in the

anterior part of the pituitary gland, in the thalamus, in the hypothalamus and in a subgroup of neocortical neurons.

### **SCGN Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **SCGN Antibody (N-term) Blocking Peptide - Images**

### **SCGN Antibody (N-term) Blocking Peptide - Background**

SCGN is a secreted calcium-binding protein which is found in the cytoplasm. It is related to calbindin D-28K and calretinin. SCGN is thought to be involved in KCL-stimulated calcium flux and cell proliferation.

### **SCGN Antibody (N-term) Blocking Peptide - References**

Skovhus, K.V., Scand. J. Immunol. 64 (6), 639-645 (2006) Zierhut, B., Biochem. Biophys. Res. Commun. 329 (4), 1193-1199 (2005) Mungall, A.J., Nature 425 (6960), 805-811 (2003) Zhan, X., Pituitary 6 (4), 189-202 (2003)