

SCG3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17492b**Specification**

SCG3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8WXD2](#)**SCG3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 29106**Other Names**

Secretogranin-3, Secretogranin III, SgIII, SCG3

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.

SCG3 Antibody (C-term) Blocking Peptide - Protein Information**Name** SCG3**Function**

Member of the granin protein family that regulates the biogenesis of secretory granules (PubMed:19357184). Acts as a sorting receptor for intragranular proteins including chromogranin A/CHGA (By similarity). May also play a role in angiogenesis. Promotes endothelial proliferation, migration and tube formation through MEK/ERK signaling pathway (PubMed:29154827).

Cellular Location

Cytoplasmic vesicle, secretory vesicle {ECO:0000250|UniProtKB:P47868}. Cytoplasmic vesicle, secretory vesicle membrane {ECO:0000250|UniProtKB:P47868}; Peripheral membrane protein. Secreted. Note=Associated with the secretory granule membrane through direct binding to cholesterol-enriched lipid rafts. {ECO:0000250|UniProtKB:P47868}

Tissue Location

Detected in urine (at protein level) (PubMed:25326458). Expressed in brain, heart, kidney, liver and skeletal muscle.

SCG3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SCG3 Antibody (C-term) Blocking Peptide - Images

SCG3 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. Granins may serve as precursors for biologically active peptides. Some granins have been shown to function as helper proteins in sorting and proteolytic processing of prohormones; however, the function of this protein is unknown. Two transcript variants encoding different isoforms have been found for this gene.

SCG3 Antibody (C-term) Blocking Peptide - References

Li, X., et al. J. Allergy Clin. Immunol. 125(2):328-335(2010) He, C., et al. Clin. Chim. Acta 402 (1-2), 102-106 (2009) :Stridsberg, M., et al. Regul. Pept. 148 (1-3), 95-98 (2008) :Tanabe, A., et al. J. Clin. Endocrinol. Metab. 92(3):1145-1154(2007) Sakai, Y., et al. Arch. Histol. Cytol. 67(1):57-64(2004)