

Scg3 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14397**Specification**

Scg3 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P47867
Other Accession	NM_001164790 , NP_001158262
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55kDa KDa

Scg3 antibody - C-terminal region - Additional Information**Gene ID** 20255

Alias Symbol	1B1075, AI385542, Chgd, SgIII
Other Names	
Secretogranin-3, Secretogranin III, SgIII, Scg3	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Scg3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Scg3 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Scg3 antibody - C-terminal region - Protein Information**Name** Scg3**Function**

Member of the granin protein family that regulates the biogenesis of secretory granules (PubMed:16219686). Acts as a sorting receptor for intragranular proteins including chromogranin A/CHGA (PubMed:12388744). May also play a role in angiogenesis (PubMed:28330905). Promotes endothelial proliferation, migration and tube formation through MEK/ERK signaling pathway (By similarity).

Cellular Location

Cytoplasmic vesicle, secretory vesicle. 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}

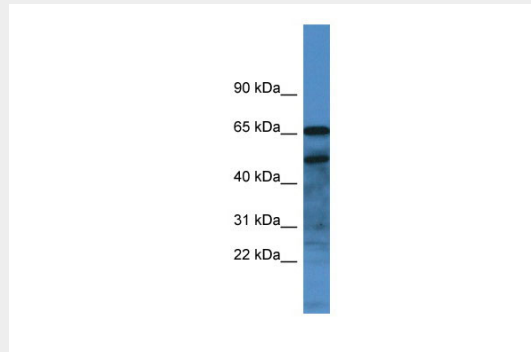
Tissue Location

Expressed in various brain areas, with highest levels in the arcuate nucleus and the lateral hypothalamic area, as well as the paraventricular nucleus and the ventromedial hypothalamus (at protein level).

Scg3 antibody - C-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Scg3 antibody - C-terminal region - Images

WB Suggested Anti-Scg3 Antibody Titration: 1.0 µg/ml

Positive Control: Mouse Small Intestine

Scg3 antibody - C-terminal region - References

- Dopazo A., et al. J. Mol. Neurosci. 4:225-233(1993).
Carninci P., et al. Science 309:1559-1563(2005).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Hosaka M., et al. Mol. Biol. Cell 13:3388-3399(2002).
Tanabe A., et al. J. Clin. Endocrinol. Metab. 92:1145-1154(2007).