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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).

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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}

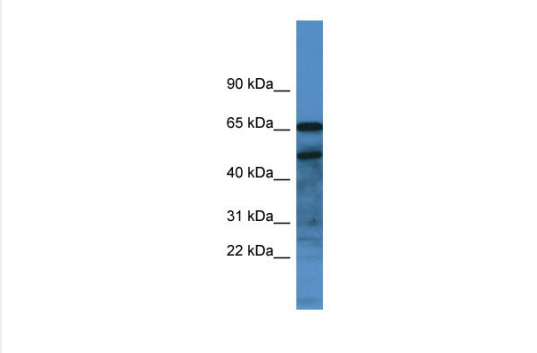
Tissue Location
Expressed in various brain areas, with highest levels in the arcuate nucleus and the lateral hypothalamic area, as well as the paraventricular nucleus and the ventromedial hypothalamus (at protein level).

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 Cytomety
- 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).