10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Scg3 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14397

Product Information

Application	WB
Primary Accession	P47867
Other Accession	NM_001164790, NP_001158262
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53326

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.

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}

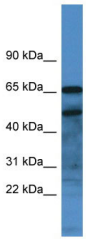
Tissue Location

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).

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).

Images



WB Suggested Anti-Scg3 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Small Intestine

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.