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

SCG3 Rabbit pAb

Catalog # AP99050

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WXD2
Other Accession	Q8WXD2
Reactivity	Human
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53005
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SCG3
Epitope Specificity	21-120/468
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Interacts with CHGA.
Post-translational modifications	O-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Secretogranin 3 is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. Genetic variations in this gene may influence the risk of obesity through possible regulation of hypothalamic neuropeptide secretion.

Additional Information

Gene ID	29106
Other Names	SGIII; 1B1075; Chgd; SCG3_HUMAN; SCG3; Secretogranin III (SgIII); SCG3_MOUSE; SCG3_RAT; secretogranin III
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

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