

ARG44928 anti-SCG5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes SCG5
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	SCG5
Species	Human
Epitope	DNIPKDFSED QGYDPDPNPC PVGKTADDGC LENTPDTAEF SREFQLHQHL FDPEHDYPGL GKWNKKLLYE
Conjugation	Un-conjugated
Alternate Names	SCG5; Secretogranin V; SGNE1; 7B2; SgV; Secretory Granule, Neuroendocrine Protein 1 (7B2 Protein); Secretory Granule Endocrine Protein I; Prohormone Convertase Chaperone; Neuroendocrine Protein 7B2; Pituitary Polypeptide; Secretogranin-5; P7B2

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:250
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

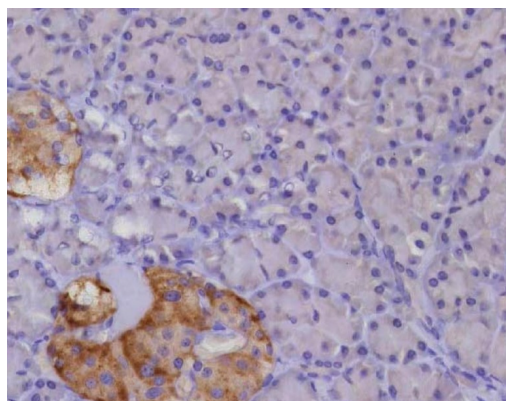
Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SCG5
Gene Full Name	Secretogranin V
Background	This gene encodes a secreted chaperone protein that prevents the aggregation of other secreted proteins, including proteins that are associated with neurodegenerative and metabolic disease. The encoded protein may be best known for its role in the trafficking and activation of prohormone convertase PC2 (encoded by Gene ID: 5126). Phosphorylation of the encoded protein has been shown to have an inhibitory effect on its chaperone function. This gene also produces a ARHGAP11A-SCG5 readthrough transcript and ARHGAP11A-SCG5 protein. [provided by RefSeq, Feb 2019]
Function	Acts as a molecular chaperone for PCSK2/PC2, preventing its premature activation in the regulated secretory pathway. Binds to inactive PCSK2 in the endoplasmic reticulum and facilitates its transport from there to later compartments of the secretory pathway where it is proteolytically matured and activated. Also required for cleavage of PCSK2 but does not appear to be involved in its folding. Plays a role in regulating pituitary hormone secretion. The C-terminal peptide inhibits PCSK2 in vitro. [UniProt]
PTM	Cleavage on pair of basic residues, Disulfide bond, Phosphoprotein, Sulfation. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG44928 anti-SCG5 antibody IHC-P image

Immunohistochemistry: Human pancreas stained with ARG44928 anti-SCG5 antibody at 4.65 µg/mL dilution.
