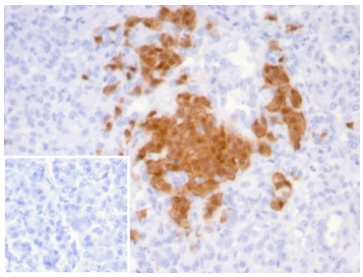
# Secretagogin Antibody / SCGN [clone SCGN/7321] (V5159)

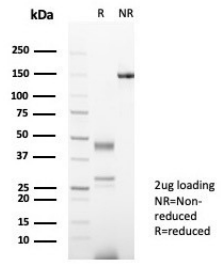
| Catalog No. | Formulation | Size |
|---|---|---|
| V5159-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5159-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5159SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | SCGN/7321 |
| **Purity** | Protein A/G affinity |
| **UniProt** | O76038 |
| **Localization** | Cytoplasm, Secreted |
| **Applications** | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| **Limitations** | This Secretagogin antibody is available for research use only. |



IHC staining of FFPE human pancreas tissue with Secretagogin antibody (clone SCGN/7321). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free Secretagogin antibody (clone SCGN/7321) as confirmation of integrity and purity.

## Description

SCGN, also known as Secretagogin, CALBL, setagin or SECRET, is a 276 amino acid cytoplasmic protein that contains six EF-hand domains and is related to the calicium-binding proteins Calretinin and Calbindin D28K. Expressed in a variety of tissues including stomach, thyroid, colon, brain and neuroendocrine cells, SCGN is thought to be involved in cell proliferation and KCl (potassium chloride)-mediated calcium flux events. Through its interaction with KCl and its subsequent ability to modulate calcium storage pools within the cell, SCGN may function to negatively control growth and differentiation rates and, thus, indirectly inhibit cell replication.

## Application Notes

Optimal dilution of the Secretagogin antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 100-276) from the human protein was used as the immunogen for the Secretagogin antibody.

## Storage

Aliquot the Secretagogin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com