

Rabbit Anti-SCGN/Secretagoin [EP237]: RM0300

Intended Use: For Research Use Only

Description: Secretagoin (SCGN) is a novel calcium-binding protein which consists of six EF-hand domains. This protein was first identified as a pancreatic β -cell specific calcium-binding protein. SCGN has been detected in neuroendocrine cells of the pancreas and GI tract. In the central nervous system, SCGN was detected in a neuron-specific expression pattern with high expression in basket and stellate cells of the cerebellar cortex, in secretory neurons of the anterior region of the pituitary gland and in singular neurons of the frontal and parietal neocortex. Remarkable staining intensity was observed in hypothalamic and in hippocampal neurons. Co-localization of SCGN with other neuroendocrine markers (chromogranin A, neuron-specific enolase and synaptophysin) has been observed in neuroendocrine cells of normal mucosa. SCGN can be used to detect small cell lung cancers. Compared to chromogranin A, SCGN is more sensitive in the identification of a subset of neuroendocrine tumors, such as gastric neuroendocrine cancers and typical carcinoid tumors of rectum and ovary. SCGN is a useful marker for neuroendocrine differentiation.

Specifications

Clone: EP237
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Cytoplasm
Formulation: Tissue culture supernatant in PBS pH7.5, containing 0.2% BSA, 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
SCGN/Secretagoin Concentrated	RM0300	1 ml

IHC Procedure

Positive Control Tissue: SCLC, pancreas
Concentrated Dilution: 50-200
Pretreatment: EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.

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Rev. A