



Mouse Anti-Human SCGN monoclonal antibody, clone NN13 (CABT-ZB467)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human SCGN
Target	SCGN
Immunogen	Recombinant Human SCGN/Secretagogin Protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	NN13
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB467 - CABT-ZB854 This antibody will detect SCGN in antibody pair set. [ABPR-ZB042]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human SCGN / Secretagogin. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	<p>Secretagogin, also known as SCGN, is a secreted protein that is detectable in human serum after ischemic neuronal damage. It is a recently described calcium-binding protein.</p> <p>Secretagogin/SCGN is expressed at high levels in the pancreatic islets of Langerhans and to a much lesser extent in the gastrointestinal tract (stomach, small intestine and colon), the adrenal medulla and cortex and the thyroid C-cells. In the brain, the expression of Secretagogin/SCGN is restricted to distinct subtypes of neurons with highest expression in the molecular layer of the cerebellum (stellate and basket cells), in the anterior part of the pituitary gland, in the thalamus, in the hypothalamus and in a subgroup of neocortical neurons. Secretagogin/SCGN is widely expressed in prostatic adenocarcinoma as opposed to adenocarcinomas in other organs. The function of Secretagogin/SCGN is unknown, but it has been suggested in beta-cells to influence calcium-influx and has been observed downregulated in diabetes-prone BB rat islets exposed to cytokines. Secretagogin/SCGN is involved in the calcium metabolism of tumour cells and endothelial cells in a subset of neoplasms of the brain and its coverings. Secretagogin/SCGN is also a novel marker for neuroendocrine differentiation.</p>
Keywords	SCGN; secretagogin, EF-hand calcium binding protein; secretagogin; calbindin like

GENE INFORMATION

Synonyms	SCGN; secretagogin, EF-hand calcium binding protein; secretagogin; calbindin like; CALBL; DJ501N12.8; SECRET; SEGN; setagin
Entrez Gene ID	10590
UniProt ID	O76038