

Anti-SCGN Antibody (9Q848)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9Q848
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human SCGN / Secretagoin protein (TMPY-01875)
Antigen Species:	Human
Synonyms:	SEGN;CALBL;setagin;secretagoin, EF-hand calcium binding protein;DJ501N12.8;SECRET

Research Background

Secretagoin, 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. Secretagoin / 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 Secretagoin / 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. Secretagoin / SCGN is widely expressed in prostatic adenocarcinoma as opposed to adenocarcinomas in other organs. The function of Secretagoin / 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. Secretagoin / SCGN is involved in the calcium metabolism of tumour cells and endothelial cells in a subset of neoplasms of the brain and its coverings. Secretagoin / SCGN is also a novel marker for neuroendocrine differentiation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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