


Product datasheet

Anti-SCGN/Secretagogin antibody [EPR7477] ab137017

Recombinant RabMAb

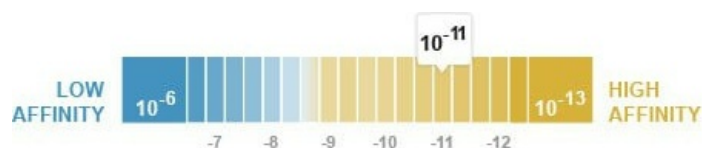
[2 References](#) [7 Images](#)

Overview

Product name	Anti-SCGN/Secretagogin antibody [EPR7477]
Description	Rabbit monoclonal [EPR7477] to SCGN/Secretagogin
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human SCGN/Secretagogin aa 200-300. The exact sequence is proprietary.
Positive control	Fetal brain, Human hypothalamus and fetal midbrain lysates; Human gastric neuroendocrine carcinoma and Human pancreas tissues
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Dissociation constant (K_D)	K _D = 6.70 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7477
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab137017 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 32 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for ICC/IF.

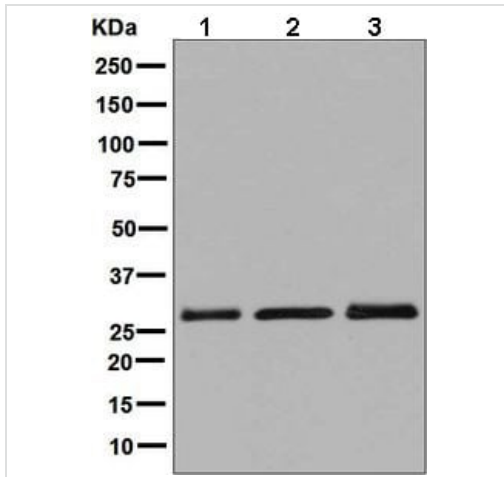
Target

Tissue specificity 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 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.

Sequence similarities Contains 6 EF-hand domains.

Cellular localization Cytoplasm. Secreted. Cytoplasmic vesicle > secretory vesicle membrane. Predominantly cytoplasmic. A small proportion is associated with secretory granules and membrane fractions (By similarity). Detectable in human serum after ischemic neuronal damage.

Images



Western blot - Anti-SCGN/Secretagogen antibody [EPR7477] (ab137017)

All lanes : Anti-SCGN/Secretagogen antibody [EPR7477] (ab137017) at 1/1000 dilution

Lane 1 : Fetal brain lysate

Lane 2 : Human hypothalamus lysate

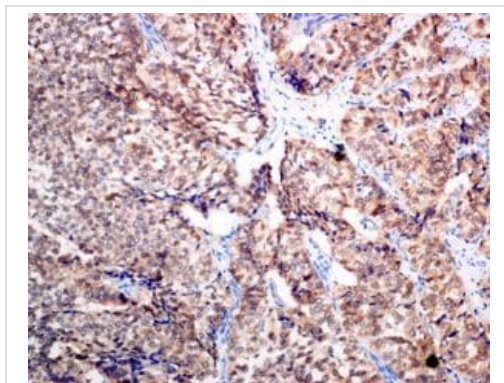
Lane 3 : Fetal midbrain lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

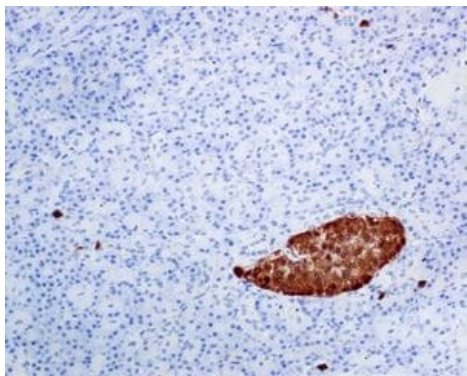
Predicted band size: 32 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCGN/Secretagogen antibody [EPR7477] (ab137017)

Immunohistochemical analysis of paraffin-embedded Human gastric neuroendocrine carcinoma tissue labelling SCGN/Secretagogen with ab137017 at 1/250 dilution.

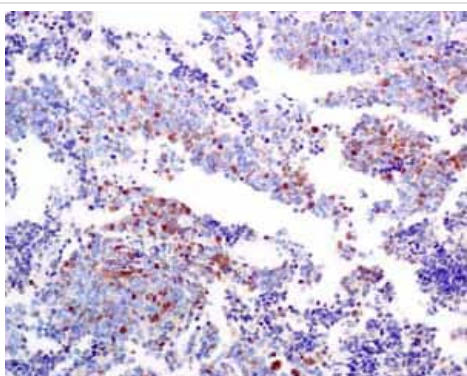
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCGN/Secretagogen antibody [EPR7477] (ab137017)

Immunohistochemical analysis of paraffin-embedded Human pancreas tissue labelling SCGN/Secretagogen with ab137017 at 1/250 dilution.

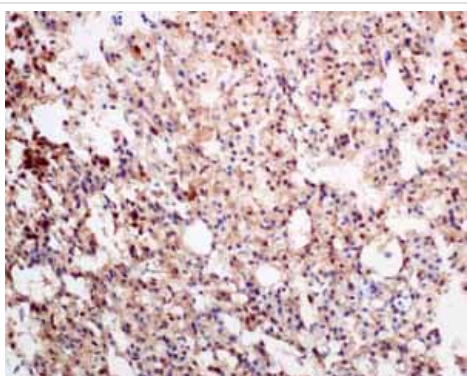
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCGN/Secretagogen antibody [EPR7477] (ab137017)

Immunohistochemical analysis using ab137017 showing staining in lung small cell undifferentiated carcinoma tissue.

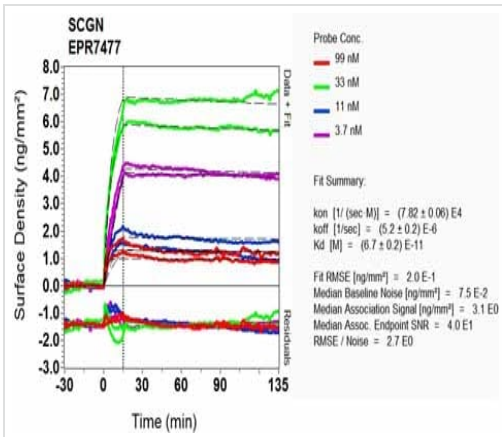
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCGN/Secretagogen antibody [EPR7477] (ab137017)

Immunohistochemical analysis using ab137017 showing staining in Lung carcinoid tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

OI-RD Scanning - Anti-SCGN/Secretagoin antibody [EPR7477] (ab137017)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-SCGN/Secretagoin antibody [EPR7477] (ab137017)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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