

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects mouse Secretagodin in Western blots. Reactivity with human, rat, and other species is expected due to the high sequence homology of the immunogen used.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Secretagodin Asn164-Pro276 Accession # O76038
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Secretagodin (SCGN) is a 32 kDa member of the EF-hand family of Ca-binding proteins. It is expressed in select neurons, as well as neuroendocrine cells and pancreatic islets. Human Secretagodin is 276 amino acids (aa) in length and contains six 35 aa EF-hand domains (aa 12-276). There is one alternative splice variant that shows a 22 aa substitution for aa 28-276, and which demonstrates no Ca-binding ability. Secretagodin is known to circulate, presumably released during cell apoptosis. Over aa 164-276, human Secretagodin is more than 97% aa identical to mouse, porcine and canine Secretagodin.

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