

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Secretagoin in ELISAs and Western Blots. Detects mouse Secretagoin in Western Blots
Source	Monoclonal Mouse IgG ₁ Clone # 778518
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Secretagoin Asn164-Pro276 Accession # O76038
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunohistochemistry	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

Secretagoin (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 Secretagoin 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. Secretagoin is known to circulate, presumably released during cell apoptosis. Over aa 164-276, human Secretagoin is more than 97% aa identical to mouse, porcine and canine Secretagoin.

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