Mouse Stanniocalcin 2/STC-2 Alexa Fluor® 647-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 348310

Catalog Number: FAB2837R

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Stanniocalcin 2/STC-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) STC-1 or rhSTC-2 is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 348310
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Stanniocalcin 2/STC-2 Thr25-Arg296 Accession # O88452
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.

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

Stanniocalcin 2 (STC-2) is a secreted disulfide-linked homodimeric glycoprotein hormone that is related to the STC protein first discovered from corpuscles of stannius in fish. STC-2 is expressed in a wide variety of tissues. In the ovary, STC-2 has been shown to be a paracrine hormone that regulates granulosa cell function. The amino acid sequence of human mature STC-2 is 36% identical to that of human STC-1. It is also 99%, and 88% identical to that of mature monkey and mouse STC-2, respectively.

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Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475