

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Stanniocalcin 2 (STC-2) in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody does not cross-react with recombinant human (rh) STC-1 or rmSTC-2.
Source	Monoclonal Rat IgG _{2A} Clone # 348217
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Stanniocalcin 2 Thr25-Arg302 Accession # O76061
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 279 amino acids of the human mature STC-2 sequence show 36% aa identity with human STC-1 and 88% aa identity with mouse STC-2.

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