

For Research Use Only

# CoraLite® Plus 488-conjugated Stanniocalcin 2 Monoclonal antibody



Catalog Number:CL488-60063

## Basic Information

Catalog Number:

CL488-60063

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0359

GenBank Accession Number:

BC000658

GeneID (NCBI):

8614

UNIPROT ID:

O76061

Full Name:

stanniocalcin 2

Calculated MW:

33 kDa

Observed MW:

33 kDa

Purification Method:

Protein G purification

CloneNo.:

4H1E7

Recommended Dilutions:

IF 1:200-1:800

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF : HeLa cells,

## Background Information

Stanniocalcin (STC) is a family of secreted glycoprotein hormones that originally discovered in the corpuscles of Stannius, an endocrine gland of fish. STC1 and STC2, two homologues of STC family, are reported to involve in calcium and phosphate homeostasis. It is expressed in a wide variety of tissues such as kidney, spleen, heart, and pancreas. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. STC2 overexpression could promote tumor cell proliferation, invasion and metastasis in prostate cancer, ovarian cancer or neuroblastoma. STC2 is also vital for cytoprotective properties when exposed to ER stress and hypoxia.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

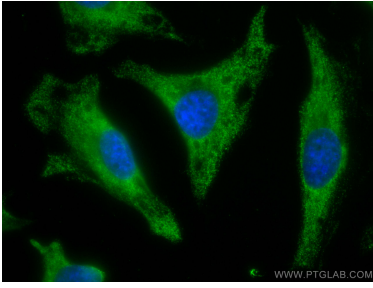
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Coralite® Plus 488 Stanniocalcin 2 antibody (CL488-60063, Clone: 4H1E7 ) at dilution of 1:400.