

# 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/ICC 1:200-1:800

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human, mouse

**Positive Controls:**

IF/ICC : 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:**

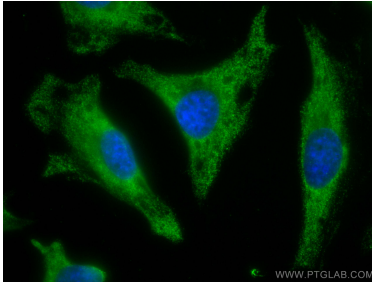
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

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

Aliquoting is unnecessary for -20°C storage

## 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.