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Datasheet for ABIN1696785

anti-Stanniocalcin 2 antibody (AA 81-180) (Alexa Fluor 555)

Overview

| | |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity: | 100 µL |
| Target: | Stanniocalcin 2 (STC2) |
| Binding Specificity: | AA 81-180 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Stanniocalcin 2 antibody is conjugated to Alexa Fluor 555 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-----------------------|---------------------------------------------------------------------|
| Immunogen: | KLH conjugated synthetic peptide derived from human Stanniocalcin 2 |
| Isotype: | IgG |
| Predicted Reactivity: | Human,Mouse,Rat |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|------------------------------------------------------------------------------------------|
| Target: | Stanniocalcin 2 (STC2) |
| Alternative Name: | Stanniocalcin 2 (STC2 Products) |
| Background: | Synonyms: Stanniocalcin related protein, Stanniocalcin-2, Stanniocalcin-related protein, |

Target Details

Stanniocalcin2, STC 2, STC related protein, STC-2, STC-related protein, STC2, STC2_HUMAN, STCRP.

Background: Stanniocalcin 1 (STC1) and stanniocalcin 2 (STC2) are mammalian peptide hormones that were previously considered to be present only in bony fish, where they are involved in calcium homeostasis. STC1 plays a role in calcium and phosphate homeostasis and is phosphorylated in vitro by protein kinase C, and STC2 is phosphorylated in vitro by casein kinase II (CK2). A human fibrosarcoma cell line, HT1080, expresses both STC1 and STC2 as secreted phosphoproteins in vivo, with STC2 being phosphorylated by an ecto-CK2-like enzyme. STC1 and STC2 have opposite effects on calcium and phosphate homeostasis, namely anti-hypercalcemic and anti-hypocalcemic actions, respectively. STC1 and STC2 are detected in human adrenal tumors, such as pheochromocytoma, differentiated neuroblastoma aldosterone-producing adenoma, and in cultured adrenal tumor cells (rat pheochromocytoma PC-12 cells and human neuroblastoma NB-1 cells).

Gene ID: 8614

Pathways: [Hormone Activity](#), [ER-Nucleus Signaling](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months