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Datasheet for ABIN1700409

**anti-Stanniocalcin 2 antibody (AA 81-180) (Biotin)**

## 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 Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## 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 ( <a href="#">STC2 Products</a> )
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: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

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 for 12 months.

## Handling

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Expiry Date: 12 months