

Datasheet for ABIN1539810
anti-Stanniocalcin 2 antibody[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	Stanniocalcin 2 (STC2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This STC2 monoclonal antibody is generated from mouse immunized with STC2 recombinant protein.
Clone:	339CT13-2-6
Isotype:	IgA kappa
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Stanniocalcin 2 (STC2)
Alternative Name:	STC2 (STC2 Products)
Background:	This gene encodes a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The encoded protein has 10 of its 15 cysteine residues conserved among stanniocalcin family members and is phosphorylated by

Target Details

casein kinase 2 exclusively on its serine residues. Its C-terminus contains a cluster of histidine residues which may interact with metal ions. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Constitutive overexpression of human stanniocalcin 2 in mice resulted in pre- and postnatal growth restriction, reduced bone and skeletal muscle growth, and organomegaly. Expression of this gene is induced by estrogen and altered in some breast cancers.

Molecular Weight: 33249

Gene ID: 8614

NCBI Accession: [NP_003705](#)

UniProt: [O76061](#)

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

Application Details

Application Notes: WB: 1:100~250

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

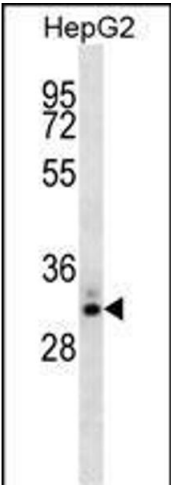
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

Storage Comment: STC2 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. STC2 Antibody (ABIN1539810 and ABIN2843801) western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the STC2 antibody detected the STC2 protein (arrow).