

Datasheet for ABIN5532193

anti-Stanniocalcin 2 antibody (N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Stanniocalcin 2 (STC2)
Binding Specificity:	AA 16-46, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Stanniocalcin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Stanniocalcin-2 (STC2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-46 amino acids from the N-terminal region of human Stanniocalcin-2 (STC2).
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	Stanniocalcin 2 (STC2)
Alternative Name:	Stanniocalcin-2 (STC2 Products)
Background:	STC2 is a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and

Target Details

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 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 is induced by estrogen and altered in some breast cancers.

Molecular Weight: 33 kDa

Gene ID: 8614

UniProt: [O76061](#)

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

Application Details

Application Notes: For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 2 mg/mL

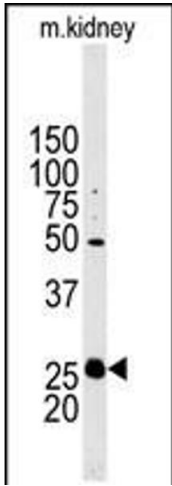
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

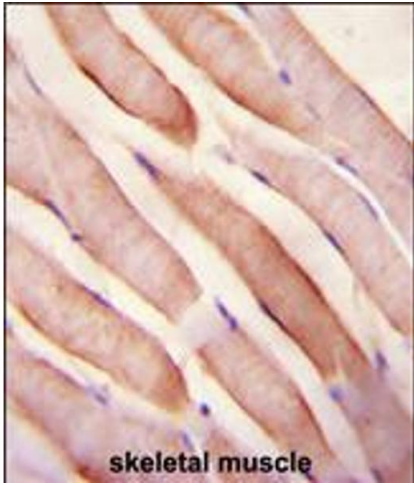
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



Western Blotting

Image 1. Western blot analysis of anti-STC2 Antibody in mouse kidney tissue lysates (35ug/lane). STC2 was detected using the purified polyclonal antibody.



Immunohistochemistry

Image 2. Stanniocalcin-2 (STC2) Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Stanniocalcin-2 (STC2) Antibody for immunohistochemistry.