


## Product datasheet

# Anti-Stanniocalcin 1/STC antibody ab229477

[8 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-Stanniocalcin 1/STC antibody
<b>Description</b>	Rabbit polyclonal to Stanniocalcin 1/STC
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Cow, Pig, Rhesus monkey 
<b>Immunogen</b>	Recombinant fragment within Human Stanniocalcin 1/STC (internal sequence). The exact sequence is proprietary. Database link: <a href="#">P52823</a>
<b>Positive control</b>	IHC-P: Mouse pancreas tissue. WB: Stanniocalcin 1/STC transfected HEK-293T whole cell extract.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab229477 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000.
WB		1/1000 - 1/10000. Predicted molecular weight: 28 kDa.

## Target

### Function

Stimulates renal phosphate reabsorption, and could therefore prevent hypercalcemia.

### Tissue specificity

Expressed in most tissues, with the highest levels in ovary, prostate, heart, kidney and thyroid. In the kidney, expression is confined to the nephron, specifically in the distal convoluted tubule and in the collecting tubule. Not detected in the brain, liver, spleen, peripheral blood leukocytes and adrenal medulla.

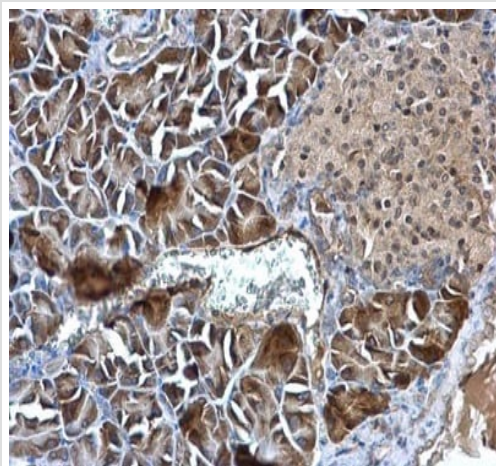
### Sequence similarities

Belongs to the stanniocalcin family.

### Cellular localization

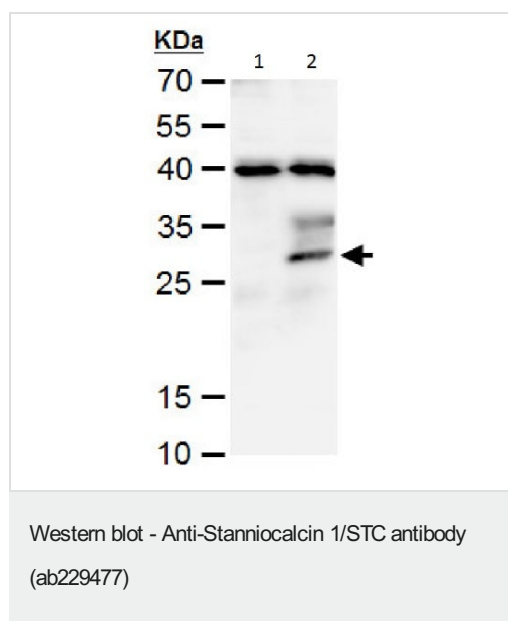
Secreted.

## Images



Paraffin-embedded mouse pancreas tissue stained for Stanniocalcin 1/STC with ab229477 at a 1/500 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Stanniocalcin 1/STC antibody (ab229477)



**All lanes :** Anti-Stanniocalcin 1/STC antibody (ab229477) at 1/5000 dilution

**Lane 1 :** HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell extract

**Lane 2 :** Stanniocalcin 1/STC transfected HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell extract

Lysates/proteins at 30 µg per lane.

Developed using the ECL technique.

**Predicted band size:** 28 kDa

12% SDS-PAGE

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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