

### **Anti-Stanniocalcin 2 Antibody**

**Catalog # ABO11307** 

## **Specification**

### **Anti-Stanniocalcin 2 Antibody - Product Information**

Application WB
Primary Accession O76061
Host Rabbit

Reactivity Human, Mouse, Rat

Clonality Polyclonal Lyophilized

**Description** 

Rabbit IgG polyclonal antibody for Stanniocalcin-2(STC2) detection. Tested with WB in Human; Mouse; Rat.

#### Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

#### **Anti-Stanniocalcin 2 Antibody - Additional Information**

**Gene ID 8614** 

Other Names

Stanniocalcin-2, STC-2, Stanniocalcin-related protein, STC-related protein, STCRP, STC2

Calculated MW 33249 MW KDa

**Application Details** 

Western blot, 0.1-0.5 μg/ml, Human, Rat, Mouse<br>

**Subcellular Localization** 

Secreted.

**Tissue Specificity** 

Expressed in a variety of tissues including muscle, heart, pancreas, kidney, spleen, prostate, small intestine, colon and peripheral blood leukocytes.

**Protein Name** 

Stanniocalcin-2

**Contents** 

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

**Immunogen** 

A synthetic peptide corresponding to a sequence at the C-terminus of human Stanniocalcin 2(287-302aa SSEWEDEQSEYSDIRR), identical to the related rat and mouse sequences.

**Purification** 



Immunogen affinity purified.

**Cross Reactivity** 

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## **Anti-Stanniocalcin 2 Antibody - Protein Information**

Name STC2

#### **Function**

Has an anti-hypocalcemic action on calcium and phosphate homeostasis.

**Cellular Location** 

Secreted.

#### **Tissue Location**

Expressed in a variety of tissues including muscle, heart, pancreas, kidney, spleen, prostate, small intestine, colon and peripheral blood leukocytes

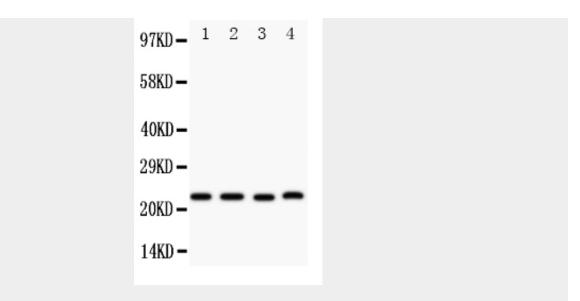
## **Anti-Stanniocalcin 2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### Anti-Stanniocalcin 2 Antibody - Images





Anti-Stanniocalcin 2 antibody, ABO11307, Western blottingAll lanes: Anti STC2 (ABO11307) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: MCF-7 Whole Cell Lysate at 40ugLane 3: Rat Kidney Tissue Lysate at 50ugLane 4: Rat Intestine Tissue Lysate at 50ugPredicted bind size: 23KDObserved bind size: 23KD

# Anti-Stanniocalcin 2 Antibody - Background

STC2(Stanniocalcin 2), also called STCRP, is a protein that in humans is encoded by the STC2 gene. By Western blot analysis, Jellinek et al.(2000) showed that STC1 is a secreted 31-kD doublet protein and STC2 is a secreted 32-kD protein. Autoradiographic analysis determined that STC2 is not stored or phosphorylated intracellularly and that it undergoes constitutive secretion.