



## Rabbit Anti-Stanniocalcin 2 antibody

SL12379R

<b>Product Name:</b>	Stanniocalcin 2
<b>Chinese Name:</b>	斯钙素2抗体
<b>Alias:</b>	Stanniocalcin related protein; Stanniocalcin-2; Stanniocalcin-related protein; Stanniocalcin2; STC 2; STC related protein; STC-2; STC-related protein; STC2; STC2 HUMAN; STCRP.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	31kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Stanniocalcin 2:81-180/302
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 homoeostasis 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).

**Function:**

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

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

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

**Similarity:**

Belongs to the stanniocalcin family.

**SWISS:**

O76061

**Gene ID:**

8614

**Database links:**

[Entrez Gene: 540573](#) Cow

[Entrez Gene: 8614](#) Human

[Entrez Gene: 20856](#) Mouse

[Entrez Gene: 100126236](#) Pig

[Entrez Gene: 63878](#) Rat

[Entrez Gene: 548758](#) Xenopus tropicalis

[Omim: 603665](#) Human

[SwissProt: O76061](#) Human

[SwissProt: O88452](#) Mouse

[SwissProt: Q9R0K8](#) Rat

[Unigene: 233160](#) Human

[Unigene: 32506](#) Mouse

[Unigene: 44823](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)