

## Product datasheet for **AP54070PU-N**

### Stanniocalcin 1 (STC1) (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1/100-1/500. Enzyme immunoassay: 1/1000.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 192-221aa) of human Stanniocalcin-1.
Specificity:	This antibody recognizes Stanniocalcin-1 at C-term.
Formulation:	PBS with 0.09% (W/V) Sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	stanniocalcin 1
Database Link:	<a href="#">Entrez Gene 6781 Human P52823</a>



[View online »](#)

**Background:**

The STC1 gene encodes a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The gene contains a 5' UTR rich in CAG trinucleotide repeats. The encoded protein contains 11 conserved cysteine residues and is phosphorylated by protein kinase C exclusively on its serine residues. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Overexpression of human stanniocalcin 1 in mice produces high serum phosphate levels, dwarfism, and increased metabolic rate. This gene has altered expression in hepatocellular, ovarian, and breast cancers.

**Synonyms:**

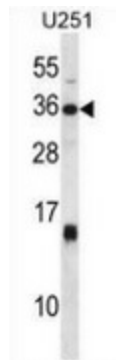
Stanniocalcin-1, STC-1, STC

**Note:**

**Molecular Weight:** 27621 Da

**Protein Families:**

Druggable Genome, Secreted Protein

**Product images:**

Western blot analysis in U251 cell line lysates (35ug/lane) using Stanniocalcin-1 / STC1 antibody. (C-term). This demonstrates the Stanniocalcin-1 antibody detected the Stanniocalcin-1 protein (arrow).