

# STC-1 polyclonal antibody

Catalog # PAB0122-A01      Size 50 uL

## Specification

Product Description	Mouse polyclonal antibody raised against stanniocalcin-1.
Immunogen	Recombinant Flag fusion protein corresponding to amino acids 84-247 of human STC1.
Host	Mouse
Form	Liquid
Conjugation	Flag
Quality Control Testing	Antibody Reactive Against Recombinant Protein
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- ELISA

## Gene Info — STC1

Entrez GeneID	<a href="#">6781</a>
Protein Accession#	<a href="#">P52823</a>
Gene Name	STC1
Gene Alias	STC
Gene Description	stanniocalcin 1

Omim ID [601185](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This 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. [provided by RefSeq]

Other Designations -

## Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)