



# Anti-STC1 (aa 84-247) polyclonal antibody (DPAB-DC2981)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
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<b>Immunogen</b>	Recombinant Flag fusion protein corresponding to amino acids 84-247 of human STC1.
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Format</b>	Liquid
<b>Size</b>	50 µl
<b>Buffer</b>	In PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">STC1 stanniocalcin 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	STC1
<b>Synonyms</b>	STC1; stanniocalcin 1; STC; stanniocalcin-1;
<b>Entrez Gene ID</b>	<a href="#">6781</a>
<b>Protein Refseq</b>	<a href="#">NP_003146</a>
<b>UniProt ID</b>	<a href="#">P52823</a>
<b>Chromosome Location</b>	8p21-p11.2
<b>Function</b>	hormone activity;