

STC-1 monoclonal antibody, clone 2D9

Catalog # MAB0034-M02

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against stanniocalcin-1.
Immunogen	Recombinant Flag fusion protein corresponding to amino acids 84-247 of human STC1.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2b, kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein with Flag tag on ELISA and Western Blot. Flag tag alone is used as a negative control.
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	6781
Protein Accession#	P52823
Gene Name	STC1

Gene Alias	STC
Gene Description	stanniocalcin 1
Omim ID	601185
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	-

Disease

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