

STC2 rabbit monoclonal antibody

Catalog # H00008614-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human STC2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human STC2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human STC2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — STC2

Entrez GeneID [8614](#)

GeneBank Accession# [STC2](#)

Gene Name STC2

Gene Alias STC-2, STCRP

Gene Description stanniocalcin 2

Omim ID [603665](#)

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 encoded protein has 10 of its 15 cysteine residues conserved among stanniocalcin family members and is phosphorylated by casein kinase 2 exclusively on its serine residues. Its C-terminus contains a cluster of histidine residues which may interact with metal ions. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Constitutive overexpression of human stanniocalcin 2 in mice resulted in pre- and postnatal growth restriction, reduced bone and skeletal muscle growth, and organomegaly. Expression of this gene is induced by estrogen and altered in some breast cancers. [provided by RefSeq]

Other Designations STC-related protein|stanniocalcin-related protein

Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)