

DNAxPAb

Hard-to-Find
Antibody

STC2 DNAxPab

Catalog # H00008614-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human STC2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MCAERLGQFMTLALVLATFDPARGTDATNPPEGPQDRSSQQKGRLSLQNTAEIQHCLVNAGDVG CGVFECFENNCSCEIRGLHGICMTFLHNAGKFDAQGKSFIKDALKCKAHALRHRFGCISRKCPAIRE MVSQQLQRECYLKHDLCAAAQENTRVMEMIHFKDLLHEPYVDLVNLLTCGEEVKEATHSVQVQ CEQNWGSLCSILSFCTSAIQKPPTAPPERQPQVDRTKLSRAHHGEAGHHLPEPSSRETGRGAKG ERGSKSHPNAHARGRVGGLGAQGPGSGSSEWEDEQSEYSDIRR
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — STC2

Entrez GeneID [8614](#)

GeneBank Accession# [NM_003714.2](#)

Protein Accession# [NP_003705.1](#)

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](#)