



Rabbit Anti-Human STC2 polyclonal antibody (CABT-L1857)

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

PRODUCT INFORMATION

Specificity	This antibody may react with (Predicted by homology) : Rabbit
Target	STC2
Immunogen	Synthetic peptide derived from internal region of human stanniocalcin-2 protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunoaffinity purified
Conjugate	Unconjugated
Applications	IHC-P
Molecular Weight	33 kDa
Cellular Localization	Cytoplasm
Positive Control	Small Intestine
Format	Liquid
Buffer	PBS, 1% BSA, pH 7.6
Preservative	< 0.1% Sodium Azide
Storage	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly

stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

BACKGROUND

Introduction

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.

Keywords

STC2;stanniocalcin 2;STC-2;STCRP;stanniocalcin-2;STC-related protein;stanniocalcin-related protein

GENE INFORMATION

Entrez Gene ID

[8614](#)

UniProt ID

[O76061](#)
