

Rabbit STC2 Polyclonal Antibody | anti-STC2 antibody

STC2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284644	Rabbit	Mouse (Predicted Reactivity: Rat)	Immunohistochemistry, ELISA, Western Blot

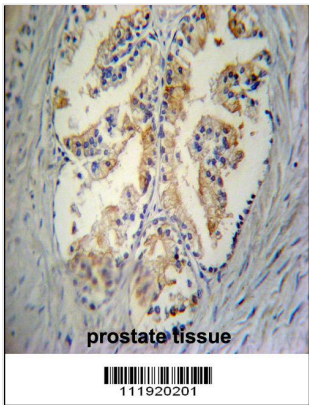
PRODUCT SYNONYMS

STC2; Polyclonal Antibody; STC2 Antibody (C-term); Stanniocalcin-2; STC-2; Stanniocalcin-related protein; STC-related protein; STCRP; anti-STC2 antibody

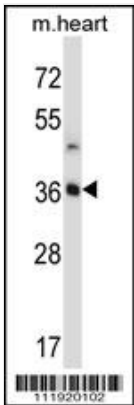
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This STC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 273-302 amino acids from the C-terminal region of human STC2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	273-302
Sequence Length	302
Applicable Applications for anti-STC2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
STC2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of STC2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
STC2 Antibody (C-term) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the STC2 antibody detected the STC2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-STC2 antibody	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.
Product Categories/Family for anti-STC2 antibody	Signal Transduction
References	Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) : Law, A.Y., et al. Exp. Cell Res. 316(3):466-476(2010) Volland, S., et al. Int. J. Cancer 125(9):2049-2057(2009) Ieta, K., et al. Int. J. Cancer 125(4):926-931(2009) Tamura, K., et al. Cancer Sci. 100(5):914-919(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507267
NCBI GeneID	8614
NCBI Accession #	NP_003705.1
NCBI GenBank Nucleotide #	NM_003714.2
UniProt Accession #	O76061
Molecular Weight	33249
NCBI Official Full Name	stanniocalcin-2
NCBI Official Synonym Full Names	stanniocalcin 2

NCBI Official Symbol	STC2
NCBI Official Synonym Symbols	STC-2; STCRP
NCBI Protein Information	stanniocalcin-2
UniProt Protein Name	Stanniocalcin-2
UniProt Gene Name	STC2
UniProt Synonym Gene Names	STC-2; STC-related protein; STCRP
UniProt Entry Name	STC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/stc2-antibody-immunohistochemistry-western-blot-elisa/284644>