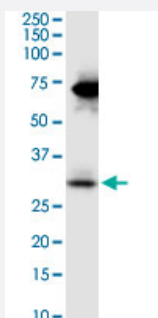


STC2 monoclonal antibody (M08), clone 2B11

Catalog # H00008614-M08

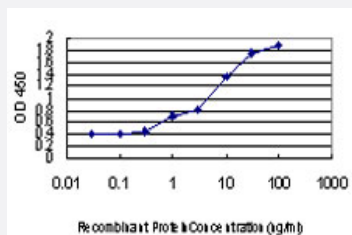
Size 100 ug

Applications



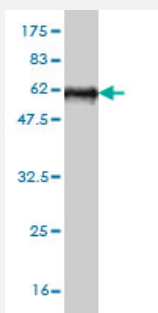
Western Blot (Cell lysate)

STC2 monoclonal antibody (M08), clone 2B11. Western Blot analysis of STC2 expression in PC-12.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STC2 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (58.96 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant STC2.

Immunogen	STC2 (AAH00658, 1 a.a. ~ 302 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MCAERLGQFMTLALVLATFDPARGTDATNPPEGPQDRSSQQKGRLSLQNTAEIQHCLVNAGDVG CGVFECFENNSCEIRGLHGICMTFLHNAGKFDAQGKSFIKDALKCKAHALRHRFGCISRKCPAIRE MVSQQLQRECYLKHDLCAAAQENTRVVEMHFKDLLLHEPYVDLVNLLLTCEGEEVKEATHSVQVQ CEQNWGSLCSILSFCTSAIQKPPTAPPERQPQVDRTKLSRAHHGEAGHHLPEPSSRETGRGAKG ERGSKSHPNAHARGRVGGLGAQGPGSGSSEWEDEQSEYSDIRR
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (86); Rat (84)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (58.96 KDa) .
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 (Cell lysate)

STC2 monoclonal antibody (M08), clone 2B11. Western Blot analysis of STC2 expression in PC-12.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STC2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — STC2

Entrez GeneID	8614
GeneBank Accession#	BC000658
Protein Accession#	AAH00658
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

Publication Reference

- [Stanniocalcin-2 \(STC2\): A potential lung cancer biomarker promotes lung cancer metastasis and progression.](#)

Na SS, Aldonza MB, Sung HJ, Kim YI, Son YS, Cho S, Cho JY.

Biochimica et Biophysica Acta 2015 Jun; 1854(6):668.

Application: IHC-P, Human, Lung cancer

- [Anti-VEGF antibody therapy induces tumor hypoxia and stanniocalcin 2 expression and potentiates growth of human colon cancer xenografts.](#)

Miyazaki S, Kikuchi H, Iino I, Uehara T, Setoguchi T, Fujita T, Hiramatsu Y, Ohta M, Kamiya K, Kitagawa K, Kitagawa M, Baba S, Konno H.

International Journal of Cancer 2014 Jul; 135(2):295.

Application: IHC, Human, Colorectal liver

- [STC2: A Predictive Marker for Lymph Node Metastasis in Esophageal Squamous-Cell Carcinoma.](#)

Kita Y, Mimori K, Iwatsuki M, Yokobori T, Ieta K, Tanaka F, Ishii H, Okumura H, Natsugoe S, Mori M.

Annals of Surgical Oncology 2011 Jan; 18(1):261.

Application: IHC-P, WB-Tr, Human, Human esophageal cancer, KYSE70, TE13 cells

- [Clinical Significance of Stanniocalcin 2 as a Prognostic Marker in Gastric Cancer.](#)

Yokobori T, Mimori K, Ishii H, Iwatsuki M, Tanaka F, Kamohara Y, Ieta K, Kita Y, Doki Y, Kuwano H, Mori M.

Annals of Surgical Oncology 2010 Oct; 17(10):2601.

Application: IHC-P, Human, Human gastric cancer

Disease

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