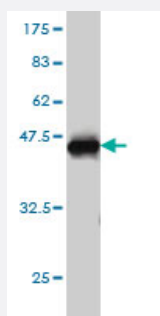


STC1 monoclonal antibody (M01), clone 4H4

Catalog # H00006781-M01

Size 100 ug

Applications



Western Blot detection against Immunogen (37.51 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant STC1.
Immunogen	STC1 (AAH29044, 141 a.a. ~ 247 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NPEAITEVVQLPNHFSNRYNRLVRSLLCEDEDTVSTIRDSLMEKIGPNMASLFHILQTDHCAQTHP RADFNRRRTNEPQKLKVLRLNRGEEDSPSHIKRTSHESA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (96)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.51 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 (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — STC1

Entrez GeneID [6781](#)

GeneBank Accession# [BC029044](#)

Protein Accession# [AAH29044](#)

Gene Name STC1

Gene Alias STC

Gene Description stanniocalcin 1

Omim ID [601185](#)

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 gene contains a 5' UTR rich in CAG trinucleotide repeats. The encoded protein contains 11 conserved cysteine residues and is phosphorylated by protein kinase C exclusively on its serine residues. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Overexpression of human stanniocalcin 1 in mice produces high serum phosphate levels, dwarfism, and increased metabolic rate. This gene has altered expression in hepatocellular, ovarian, and breast cancers. [provided by RefSeq]

Other Designations -

Publication Reference

- [Human stanniocalcin-1 interacts with nuclear and cytoplasmic proteins and acts as a SUMO E3 ligase.](#)

dos Santos MT, Trindade DM, Gonçalves Kde A, Bressan GC, Anastassopoulos F, Yunes JA, Kobarg J.

Molecular BioSystems 2011 Jan; 7(1):180.

Application: IP-WB, WB-Tr, Human, HEK 293 cells

Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)