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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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STC1 monoclonal antibody (M01), clone 4H4

Catalog # : H00006781-M01

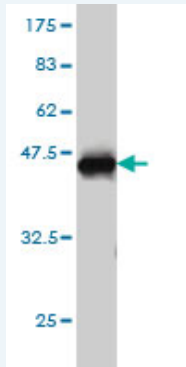
規格 : [100 ug]

[List All](#)

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:	NPEAITEVVQLPNHFSNRYYNRLVRSLLCEDEDVSTIRDLSLMEKIGPNMASLFHILQTDHCAQTHPRADFNRRTNEPQKLVLLRNLRGEEEDSPSHIKRTSHESA
Host:	Mouse
Reactivity:	Human
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.

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

1. [Human stanniocalcin-1 interacts with nuclear and cytoplasmic proteins and acts as a SUMO E3 ligase.](#)
dos Santos MT, Trindade DM, Goncalves Kde A, Bressan GC, Anastassopoulos F, Yunes JA, Kobarg J. Mol Biosyst. 2011 Jan;7(1):180-93. Epub 2010 Nov 1.

Applications

Western Blot (Recombinant protein)

[Protocol Download](#)

Application Image

- Western Blot (Recombinant protein)
- Sandwich ELISA (Recombinant protein)
- ELISA

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STC1 is approximately 1ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

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:** -

Related Disease

[Amyotrophic Lateral Sclerosis](#) [Amyotrophic lateral sclerosis](#) [Anoxia](#)
[Cardiovascular Diseases](#) [Diabetes Mellitus, Type 2](#) [Edema](#)
[Genetic Predisposition to Disease](#)

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