

## STC1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant STC1.

Catalog # AT4072a

### Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P52823</a>
<b>Other Accession</b>	<a href="#">BC029044</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	4H4
<b>Calculated MW</b>	27621

### Additional Information

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<b>Gene ID</b>	6781
<b>Other Names</b>	Stanniocalcin-1, STC-1, STC1, STC
<b>Target/Specificity</b>	STC1 (AAH29044, 141 a.a. ~ 247 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	STC1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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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.

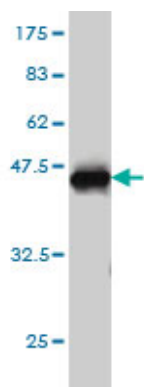
### References

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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.

## Images

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Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.51 KDa) .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.