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STC1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant STC1.
Catalog # AT4072a

Product Information

Application	WB
Primary Accession	P52823
Other Accession	BC029044
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4H4
Calculated MW	27621

Additional Information

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

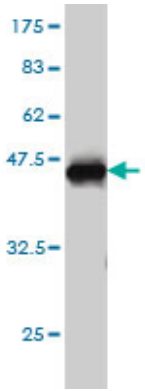
Background

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

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



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'.