

STC1 Polyclonal Antibody

Catalog Number:E-AB-91670



Note: Centrifuge before opening to ensure complete recovery of vial contents.

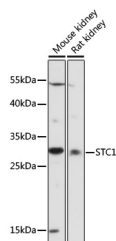
Description

Reactivity	Mouse,Rat
Immunogen	Recombinant fusion protein of human STC1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Applications Recommended Dilution

WB	1:1000-1:2000
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Data



Western blot analysis of extracts of various cell lines using STC1 Polyclonal Antibody at 1:1000 dilution.

Observed MW:27kDa

Calculated Mw:20kDa/27kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze/thaw cycles.

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.

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