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Anti-Stanniocalcin 1/STC/STC1 Antibody

Catalog Number: A03402

About STC1

STC1(Stanniocalcin 1), also called STC, which is encoded by the STC1 gene. By fluorescence in situ hybridization, Chang et al.(1998) mapped the STC1 gene to chromosome 8p21-p11.2. Wagner et al.(1995) found evidence of STC immunoreactivity in human kidney and serum, suggesting the existence of the hormone in mammals. Zhang et al.(1998) reported a constitutive expression of STC in terminally differentiated neurons. Bell et al.(2001) determined that STC1 was 1 of several transcripts upregulated by umbilical vein endothelial cells during capillary morphogenesis in 3-dimensional collagen matrices.

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Overview

Product Name	Anti-Stanniocalcin 1/STC/STC1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Stanniocalcin 1/STC/STC1 Antibody catalog # A03402. Tested in ELISA, IHC applications. This antibody reacts with Human.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P52823

Technical Details

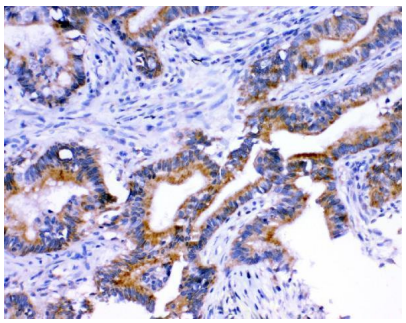
Immunogen	E.coli-derived human Stanniocalcin 1/STC/STC1 recombinant protein (Position: V34-A247).
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.

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Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human ELISA, 0.1-0.5 ug/ml, -

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Anti-Stanniocalcin 1/STC/STC1 Antibody (A03402) Images



IHC analysis of Stanniocalcin 1/STC/STC1 using anti-Stanniocalcin 1/STC/STC1 antibody (A03402). Stanniocalcin 1/STC/STC1 was detected in a paraffin-embedded section of human intestinal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Stanniocalcin 1/STC/STC1 Antibody (A03402) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

1 Publications Citing This Product

1. PubMed ID: 10.1016/j.canlet.2017.11.033, Stanniocalcin-1 augments stem-like traits of glioblastoma cells through binding and activating NOTCH1

Visit bosterbio.com/anti-stanniocalcin-1-stc-stc1-picoband-trade-antibody-a03402-boster.html to see all 1 publications.

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