BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Carabin TBC1D10C Antibody

Catalog Number: A11412

About TBC1D10C

Antigen binding by the T-cell receptor (TCR) is one of the critical first steps in the immune response, triggering a cascade of signaling pathways that ultimately lead to T-cell activation. Screening a yeast two-hybrid screen of a human T-cell cDNA library with calcineurin, a protein phosphatase involved in multiple signaling pathways including T-cell activation, resulted in the identification of Carabin, a member of the TBC1 domain family of proteins, as a calcineurin-binding protein. Unlike other members of the TBC1 domain protein family which are thought to have a role in regulating cell growth and differentiation, further experiments demonstrated that Carabin is part of a negative regulatory loop for the intracellular TCR signaling pathway as well as an inhibitor of the Ras signaling pathway, suggesting that Carabin may also mediate crosstalk between calcineurin and Ras. Carabin antibody does not recognize TBC1D10A or TBC1D10B. Carabin is known to exist in multiple isoforms.

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Overview

Product Name	Anti-Carabin TBC1D10C Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Carabin TBC1D10C Antibody (Catalog # A11412). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	Carabin Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Carabin antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8IV04

Technical Details

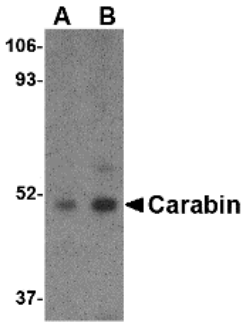
Immunogen	Carabin antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human Carabin. The immunogen is located within the last 50 amino acids of Carabin.

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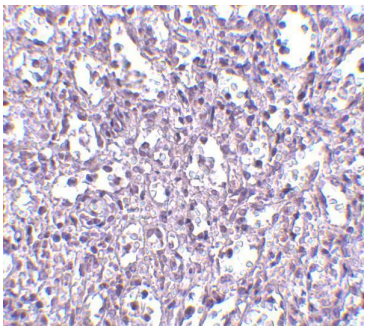
Predicted Reactive Species	Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Carabin Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Carabin antibody can be used for detection of Carabin by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-Carabin TBC1D10C Antibody (A11412) Images



Western blot analysis of Carabin in Daudi cell lysate with Carabin antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of Carabin in human spleen tissue with Carabin antibody at 2.5 ug/mL.

Anti-Carabin TBC1D10C Antibody

For Research Use Only. Not for use in diagnostic procedures.