

Datasheet for ABIN499529
anti-Carabin antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	Carabin (TBC1D10C)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Carabin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Carabin antibody was raised against a 16 amino acid peptide from near the carboxy terminus of human Carabin.
Isotype:	IgG
Specificity:	This antibody reacts to Carabin.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	Carabin (TBC1D10C)
Alternative Name:	Carabin (TBC1D10C Products)

Target Details

Background: 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. Synonyms: TBC1 domain family member 10C, TBC1D10C

Gene ID: 374403

NCBI Accession: [NP_940919](#)

UniProt: [Q8IV04](#)

Application Details

Application Notes: ELISA. Western Blot: Carabin antibody can be used for detection of Carabin at 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

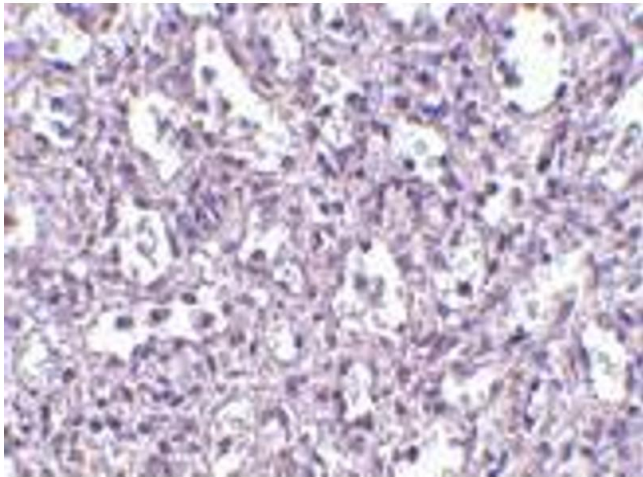
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

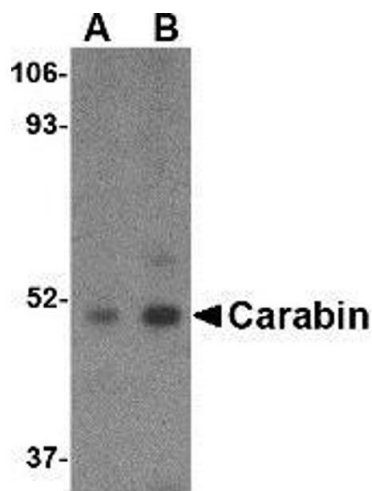
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of Carabin in human spleen tissue with Carabin antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of Carabin in Daudi cell lysate with AP30181PU-N Carabin antibody at (A) 1 and (B) 2 µg/ml.