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Datasheet for ABIN6990767 anti-Carabin antibody (C-Term)

Overview

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|----------------------|---|
| 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), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|---------------|--|
| 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. |
| Isotype: | IgG |
| Purification: | Carabin Antibody is affinity chromatography purified via peptide column. |

Target Details

| | |
|-------------------|---|
| Target: | Carabin (TBC1D10C) |
| Alternative Name: | Carabin (TBC1D10C Products) |
| Background: | Carabin Antibody: 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 |

Target Details

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.

Gene ID: 374403

NCBI Accession: [NP_940919](#)

UniProt: [Q8IV04](#)

Application Details

Application Notes: Carabin antibody can be used for detection of Carabin by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL.

Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Carabin Antibody is supplied in 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: -20 °C, 4 °C

Storage Comment: Carabin antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.