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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07680 - Goat Anti-Carabin / TBC1D10C Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TBC1D10C, carabin, TBC1 domain family, member 10C, FLJ00332, MGC46488

Official Symbol: TBC1D10C

Accession Number(s): NP_940919.1

Human GeneID(s): [374403](#)

Non-Human GeneID(s): 108995 (mouse)

Immunogen

Peptide with sequence C-PRRKPQTRGKTFH, from the internal region of the protein sequence according to NP_940919.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 48-50kDa band observed in lysates of cell line Jurkat and in Mouse Thymus lysates and approx 50kDa in Peripheral Blood Mononuclear (PBM) and in Human Spleen lysates (calculated MW of 49.7Da according to Human NP_940919.1 and 49.9kDa according to Mouse NP_848765.2). Recommended concentration: 0.3-2µg/ml. Primary incubation 1 hour at room temperature. **Negative Control:** A431 cell lysate.

Flow Cytometry: Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig

EB07680 (0.5µg/ml) staining of Jurkat (A), (0.3ug/ml) PBM (B) and negative control A431 (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07680 (2µg/ml) staining of Human Spleen (A) and Mouse Thymus (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07680 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.