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EB07499 - Goat Anti-CCM2 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: CCM2, cerebral cavernous malformation 2, C7orf22, MGC4067, MGC4607, MGC74868, PP10187
Official Symbol: CCM2
Accession Number(s): NP_001025006.1; NP_113631.1; NP_001161407.1; NP_001350387.1
Human GeneID(s): 83605
Non-Human GeneID(s): 216527 (mouse)

Immunogen

Peptide with sequence C-KGEKSRDKKAHEK, from the internal region of the protein sequence according to NP_001025006.1; NP_113631.1; NP_001161407.1; NP_001350387.1.

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 45-48kDa band observed in Human Heart lysates and approx.48kDa in Human Cerebral Cortex lysates and in lysates of cell line KNRK (calculated MW of 48.8kDa according to Human NP_113631.1 and 49.8kDa according to Rat NP_001119747.1). Recommended concentration: 0.3-2µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U2OS cells. Recommended concentration: 10µg/ml.

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

Species Reactivity

Tested: Human, Rat
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow

EB07499 (1µg/ml) staining of Rat KNRK cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07499 (0.5µg/ml) staining of Human Heart (A) and (2ug/ml) Cerebral Cortex (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07499 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB07499 Flow cytometric analysis of paraformaldehyde fixed KNRK 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.