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

## 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.

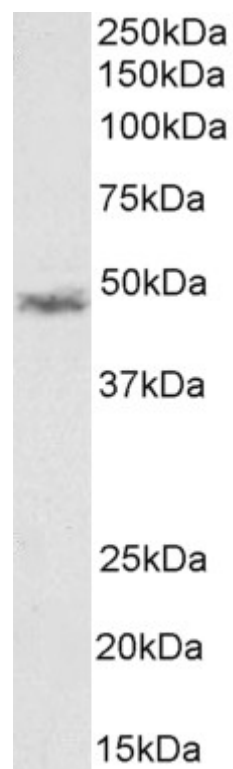
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of U2OS cells. Recommended concentration: 10µg/ml.

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

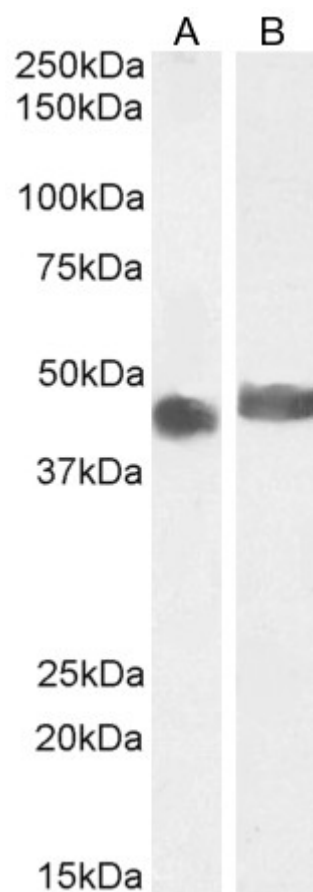
### Species Reactivity

**Tested:** Human, Rat

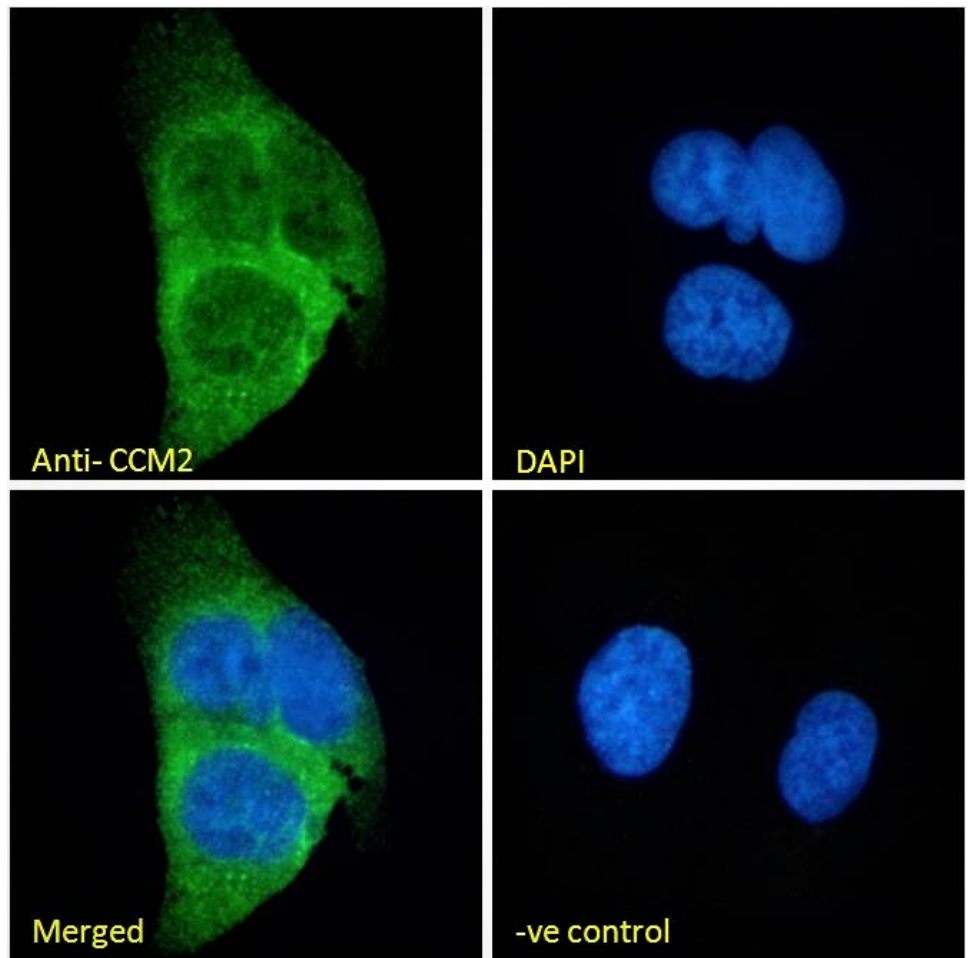
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



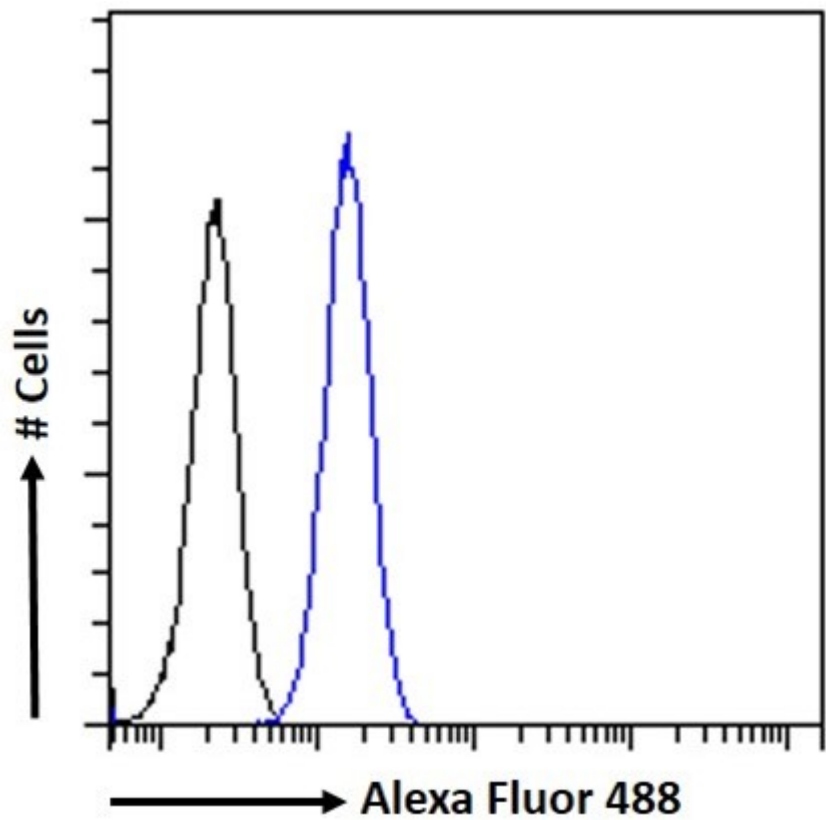
EB07499 (1 $\mu$ g/ml) staining of Rat KNRK cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB07499 (0.5 $\mu$ g/ml) staining of Human Heart (A) and (2 $\mu$ g/ml) Cerebral Cortex (B) lysate (35 $\mu$ g 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.