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Research Use Only. Not for diagnostic or therapeutic use.

EB12542 - Goat Anti-CTNNB1 / catenin beta-1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CTNNB1, catenin (cadherin-associated protein), beta 1, 88kDa,

CTNNB, MRD19, armadillo, catenin beta-1

Official Symbol: CTNNB1

Accession Number(s): NP_001895.1; NP_001317658.1

Human GenelD(s): 1499

Non-Human GenelD(s): 12387 (mouse), 84353 (rat)

Important Comments: Reported variants represent identical protein: NP_001091679.1,

NP_001895.1, NP_001091680.1.

Immunogen

Peptide with sequence ETARCTAGTLHNLS, from the internal region of the protein sequence according to NP_001895.1; NP_001317658.1.

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 90kDa band observed in A431 cell lysates-and in preliminary testing of CACO2 cell lysate (calculated MW of 85.5kDa according to NP_001895.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm and membranes of U251 and A431 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of U251 cells. Recommended concentration: 10ug/ml.

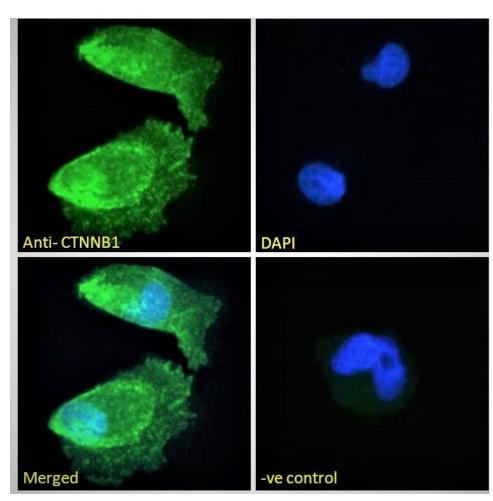
Species Reactivity

Tested: Human

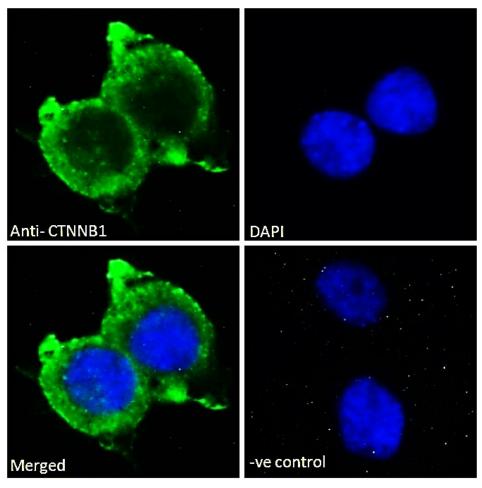
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

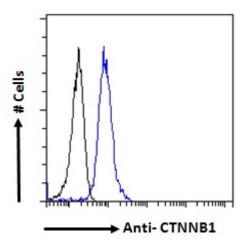
EB12542 (0.1µg/ml) staining of A431 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB12542 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12542 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12542 Flow cytometric analysis of paraformaldehyde fixed U251 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.