



International Office

Everest Biotech Ltd

Vector Laboratories, Inc.
6737 Mowry Ave
Newark, CA 94560
United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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

EB05433 - Goat Anti-ARPC2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ARPC2, actin related protein 2/3 complex, subunit 2, 34kDa, ARC34, PRO2446, p34-Arc, PNAS-139, ARP2/3 protein complex subunit 34, actin related protein 2/3 complex subunit 2

Official Symbol: ARPC2

Accession Number(s): NP_005722.1; NP_690601.1

Human GeneID(s): [10109](#)

Non-Human GeneID(s): 76709 (mouse)

Important Comments: The reported variants NP_005722.1 and NP_690601.1 represent identical protein.

Immunogen

Peptide with sequence C-EMKTITGKTFSSR, from the C Terminus of the protein sequence according to NP_005722.1; NP_690601.1.

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 1:32000.

Western blot: Approx 34-35kDa band observed in lysates of cell lines CACO-2, HeLa and Jurkat (calculated MW of 34.3kDa according to NP_005722.1). Recommended concentration: 0.1-0.5µg/ml. Primary incubation 1 hour at room temperature.

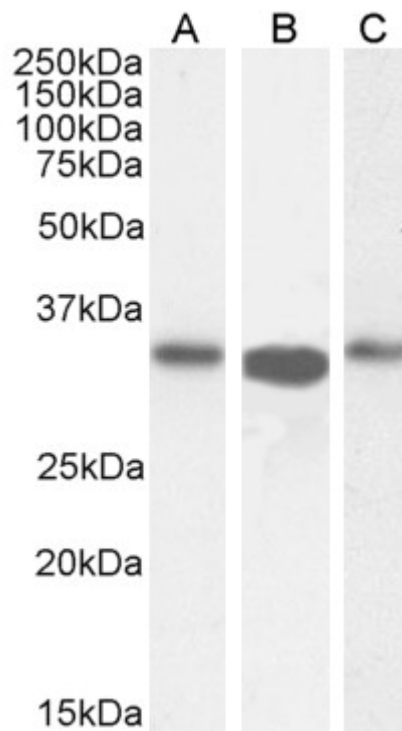
IHC: In paraffin embedded Human Spleen shows cytoplasm staining in some splenocytes in and around a T-cell area. Recommended concentration, 3-5µg/ml.

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

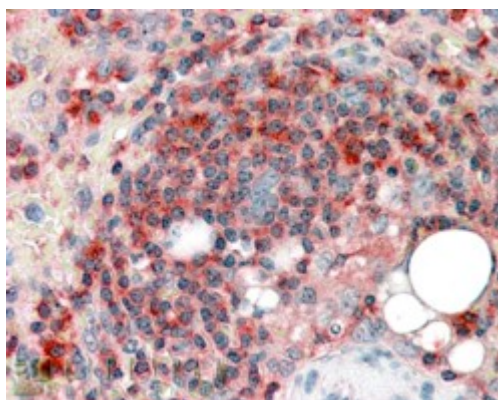
Species Reactivity

Tested: Human

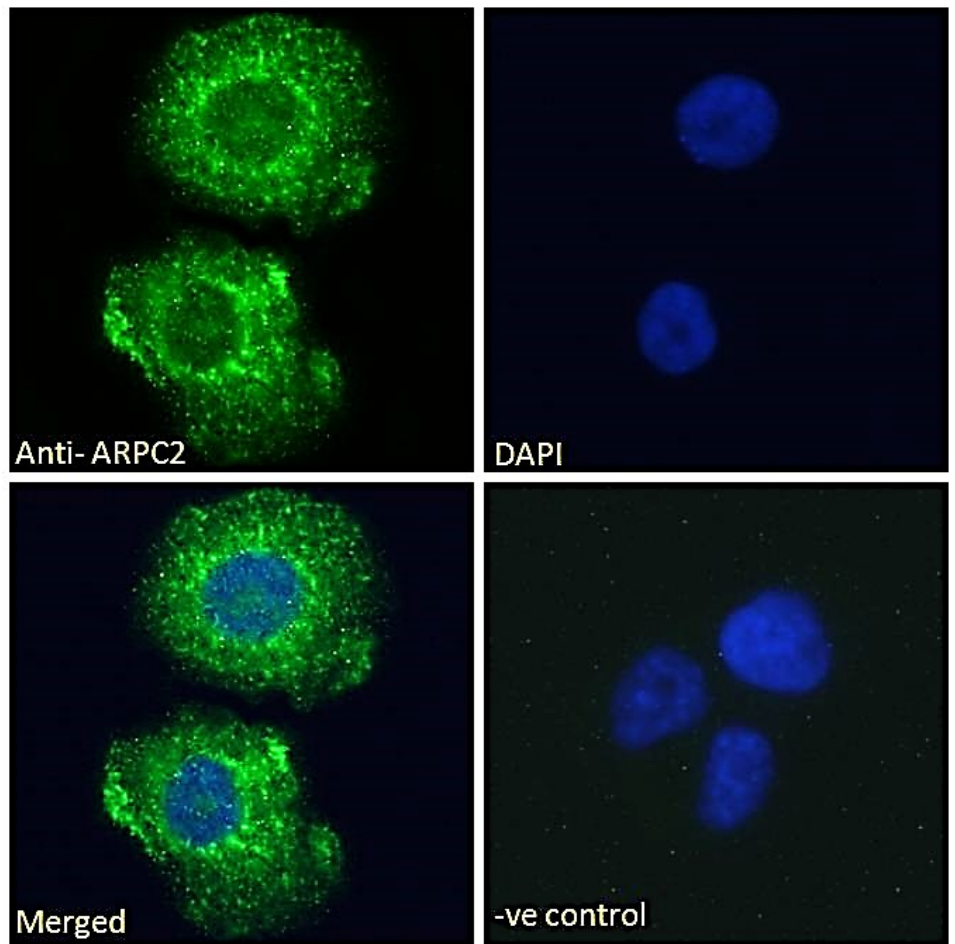
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



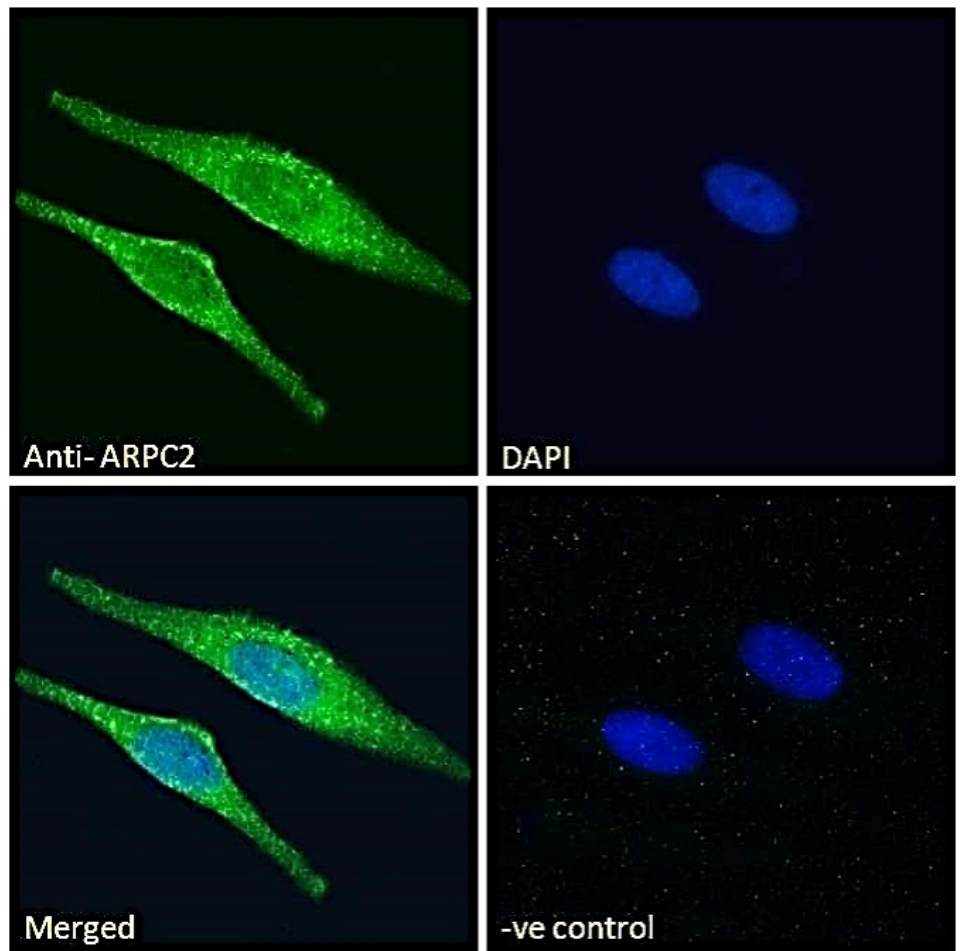
EB05433 (0.5 μ g/ml) staining of CACO-2 (A), (0.1 μ g/ml) HeLa (B) and Jurkat (C) lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB05433 (3.8 μ g/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB05433 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 cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05433 Immunofluorescence analysis of paraformaldehyde fixed HeLa 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).