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Research Use Only. Not for diagnostic or therapeutic use.

EB11355 - Goat Anti-ARPC1A Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: actin binding protein (Schizosaccharomyces pombe sop2-like), actin related protein 2/3 complex, subunit 1A, 41kDa, actin-related protein 2/3 complex subunit 1A, Arc40, OTTHUMP00000206034, SOP2Hs, SOP2L, SOP2-like protein, ARPC1A

Official Symbol: ARPC1A

Accession Number(s): NP_006400.2; NP_001177925.1

Human GeneID(s): 10552

Non-Human GenelD(s): 56443 (mouse), 81824 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_006400.2; NP_001177925.1). No cross-reactiviry expected with ARPC1B.

Immunogen

Peptide with sequence C-DFKTLESSIQGLR, from the C Terminus of the protein sequence according to NP_006400.2; NP_001177925.1.

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 1:64000.

Western blot: Approx 45kDa band observed in lysates of cell line HeLa (calculated MW of 41.6kDa according to NP_006400.2). Approx 37kDa band observed in fetal Mouse Brain and adult Rat Brain lysates (calculated MW of 41.6kDa according to Mouse NP_062741.1). Recommended concentration: 0.1-0.3µg/ml.

IHC: Paraffin embedded Human Heart. Recommended concentration: 5µg/ml.

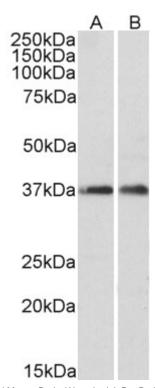
Species Reactivity

Tested: Human, Mouse, Rat

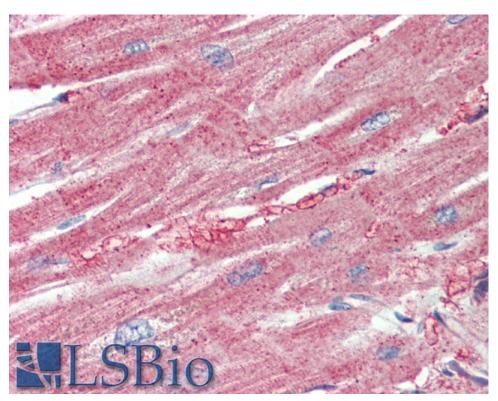
Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow



EB11355 (0.3 μ g/ml) staining of HeLa lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB11355 (0.1µg/ml) staining of fetal Mouse Brain (A) and adult Rat Brain (B) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB11355 (5μg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.