

## UK Office

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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 GeneID(s):** 56443 (mouse), 81824 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_006400.2; NP\_001177925.1). No cross-reactivity 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.

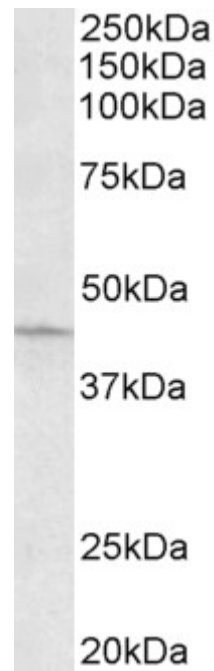
**Western blot:** Approx 45kDa band observed in lysates of cell line HeLa (calculated MW of 41.6kDa according to NP\_006400.2). Approx 37kDa band observed in fetal Mouse Brain and adult Rat Brain lysates (calculated MW of 41.6kDa according to Mouse NP\_062741.1). Recommended concentration: 0.1-0.3µg/ml.

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

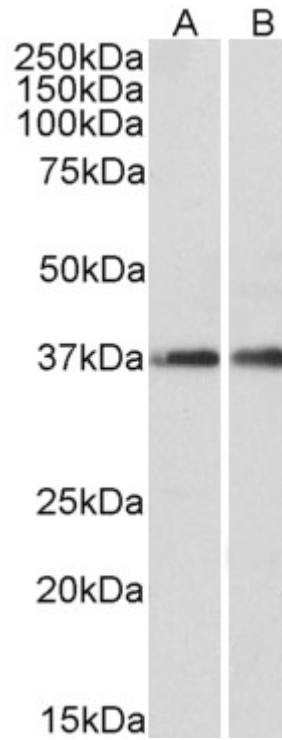
### Species Reactivity

**Tested:** Human, Mouse, Rat

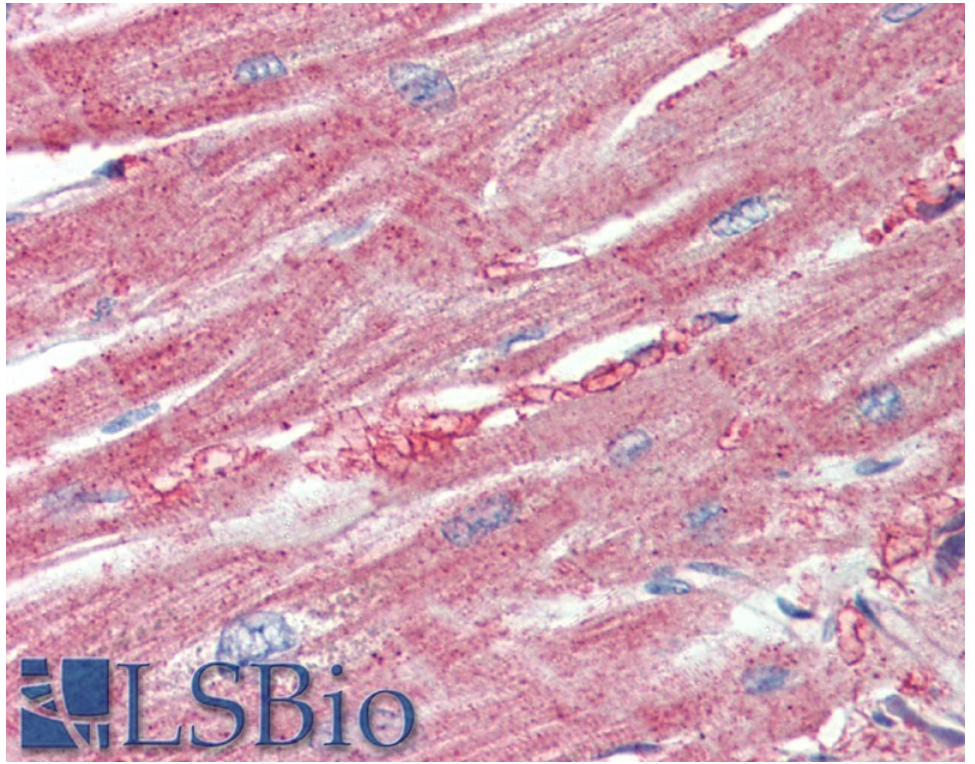
**Expected from sequence similarity:** Human, Mouse, Rat, Pig, Cow



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



EB11355 (0.1 $\mu$ g/ml) staining of fetal Mouse Brain (A) and adult Rat Brain (B) lysates (35 $\mu$ g 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.