

## UK Office

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

## EB06354 - Goat Anti-ARPC3 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ARPC3, ARC21, p21-Arc, actin related protein 2/3 complex, subunit 3, 21kDa, ARP2/3 protein complex subunit p21, actin related protein 2/3 complex subunit 3

**Official Symbol:** ARPC3

**Accession Number(s):** NP\_005710.1

**Human GeneID(s):** [10094](#)

**Non-Human GeneID(s):** 56378 (mouse)

**Important Comments:** Please note there are two hypothetical proteins called "similar to the Arp2/3 protein complex subunit p21-Arc" that are virtually identical (CAC14083, XP\_208062).

### Immunogen

Peptide with sequence C-RQFMNKSLSGPGQ, from the C Terminus of the protein sequence according to NP\_005710.1.

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 1:16000.

**Western blot:** Band observed just below 20kDa marker in HeLa, Human Brain and Mouse Brain lysates (predicted MW of 20kDa according to NP\_005710). Recommended for use at 1-3µg/ml. Primary incubation was for 1 hour. This antibody has been successfully used in Western blot on Mouse: Fu X et al (2013). PMID: 23303949.

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific Reference

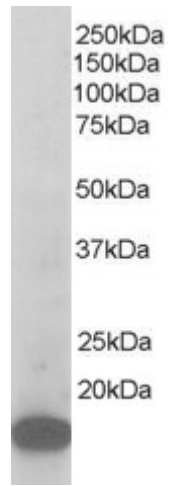
**This antibody has been successfully used in Western blot on Mouse:**

Fu X, Brown KJ, Yap CC, Winckler B, Jaiswal JK, Liu JS.

Doublecortin (Dcx) family proteins regulate filamentous actin structure in developing neurons.

Neurosci. 2013 Jan 9;33(2):709-21.

PMID: 23303949



EB06354 staining (1 $\mu$ g/ml) of Mouse Brain lysate (RIPA buffer, 35 $\mu$ g total protein per lane). Detected by chemiluminescence.