

## UK Office

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

## EB08249 - Goat Anti-ARPC4 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ARPC4, actin related protein 2/3 complex, subunit 4, 20kDa, ARC20, MGC13544, p20-Arc, Arp2/3 protein complex subunit p20, actin related protein 2/3 complex subunit 4, actin related protein 2/3 complex, subunit 4 (20 kD)

**Official Symbol:** ARPC4

**Accession Number(s):** NP\_005709.1

**Human GeneID(s):** [10093](#)

**Non-Human GeneID(s):** 68089 (mouse)

**Important Comments:** This antibody is expected to recognise isoform a ( NP\_005709.1).

### Immunogen

Peptide with sequence C-ERHNKPEVEVR, from the internal region of the protein sequence according to NP\_005709.1.

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. 19kDa band observed in Human Lymph Node lysates (calculated MW of 19.7kDa according to NP\_005709.1). Recommended concentration: 0.01-0.03µg/ml. Primary incubation was 1 hour.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse

### Specific Reference

**This antibody has been successfully used in the following paper:**

Elvira Nikalayevich, Gaëlle Letort, Ghislain de Labbey, Elena Todisco, Anastasia Shihabi, Hervé Turlier, Raphaël Voituriez, Mohamed Yahiatene, Xavier Pollet-Villard, Metello Innocenti, Melina Schuh, Marie-Emilie Terret, Marie-Hélène Verlhac  
Aberrant cortex contractions impact mammalian oocyte quality.

Dev Cell. 2024 Apr 8;59(7):841-852.e7

PMID: 38387459



EB08249 (0.03 $\mu$ g/ml) staining of Human Lymph Node lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.