

Datasheet for ABIN2855928  
**anti-ARPC1A antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | ARPC1A   |
| Binding Specificity: | N-Term   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This ARPC1A antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human ARPC1A. The exact sequence is proprietary. |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human, Zebrafish (Danio rerio)  |
| Characteristics:  | Rabbit Polyclonal antibody to ARPC1A (actin-related protein 2/3 complex subunit 1A)<br>ARPC1A antibody [N1], N-term                                   |
| Purification:     | Purified by antigen-affinity chromatography.  |

## Target Details

|         |        |
|---------|--------|
| Target: | ARPC1A |
|---------|--------|

## Target Details

|                   |   |
|-------------------|---|
| Alternative Name: | actin related protein 2/3 complex subunit 1A ( <a href="#">ARPC1A Products</a> )  |
| Background:       | <p>This gene encodes one of seven subunits of the human Arp2/3 protein complex. This subunit is a member of the SOP2 family of proteins and is most similar to the protein encoded by gene ARPC1B. The similarity between these two proteins suggests that they both may function as p41 subunit of the human Arp2/3 complex that has been implicated in the control of actin polymerization in cells. It is possible that the p41 subunit is involved in assembling and maintaining the structure of the Arp2/3 complex. Multiple versions of the p41 subunit may adapt the functions of the complex to different cell types or developmental stages.</p> <p>Cellular Localization: Cytoplasm , cytoskeleton</p> |
| Molecular Weight: | 42 kDa  |
| Gene ID:          | 10552   |
| UniProt:          | <a href="#">Q92747</a>  |
| Pathways:         | <a href="#">Regulation of Actin Filament Polymerization</a>   |

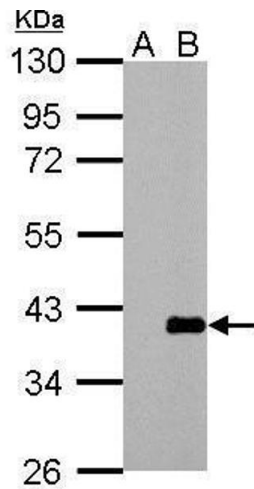
## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications. |
| Comment:           | Positive Control: ARPC1A transfected 293T   |
| Restrictions:      | For Research Use only   |

## Handling

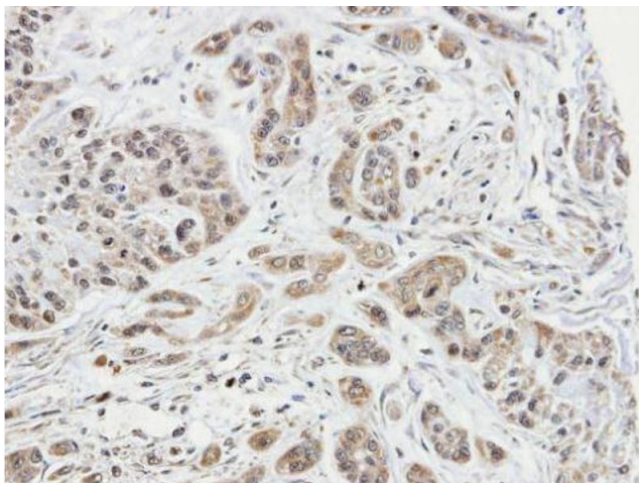
|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 mg/mL  |
| Buffer:            | 1XPBS ( pH 7), 40 % Glycerol, 0.01 % Thimerosal  |
| Preservative:      | Thimerosal (Merthiolate)   |
| Precaution of Use: | This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage                                   |

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



### Western Blotting

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: Non-transfected 293T lysates B: ARPC1A transfected 293T lysates 10% SDS PAGE antibody diluted at 1:3000



### Immunohistochemistry

**Image 2.** IHC-P Image Immunohistochemical analysis of paraffin-embedded A549 xenograft, using ARPC1A, antibody at 1:100 dilution.