

Datasheet for ABIN7143085  
**anti-ARPC2 antibody (AA 1-250)**[Go to Product page](#)

## 1 Image

## Overview

|                      |                                      |
|----------------------|--------------------------------------|
| Quantity:            | 100 µg                               |
| Target:              | ARPC2                                |
| Binding Specificity: | AA 1-250                             |
| Reactivity:          | Human                                |
| Host:                | Rabbit                               |
| Clonality:           | Polyclonal                           |
| Conjugate:           | This ARPC2 antibody is un-conjugated |
| Application:         | ELISA, Immunohistochemistry (IHC)    |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant Human Actin-related protein 2/3 complex subunit 2 protein (1-250AA) |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Purification:     | >95%, Protein G purified  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | ARPC2  |
| Alternative Name: | ARPC2 ( <a href="#">ARPC2 Products</a> )   |
| Background:       | Background: Actin-binding component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF) |

## Target Details

(PubMed:9230079). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility (PubMed:9230079). Seems to contact the mother actin filament (PubMed:9230079). In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA (PubMed:29925947). The Arp2/3 complex promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs) (PubMed:29925947).

Aliases: Actin related protein 2/3 complex subunit 2 34 kDa antibody, Actin related protein 2/3 complex subunit 2 antibody, Actin-related protein 2/3 complex subunit 2 antibody, ARC 34 antibody, ARC34 antibody, Arp2/3 complex 34 kDa subunit antibody, ARP2/3 protein complex subunit 34 antibody, ARPC 2 antibody, Arpc2 antibody, ARPC2\_HUMAN antibody, p34 Arc antibody, p34-ARC antibody, p34Arc antibody, PNAS 139 antibody, PNAS139 antibody, PRO 2446 antibody, PRO2446 antibody

UniProt: [O15144](#)

Pathways: [RTK Signaling](#), [Regulation of Actin Filament Polymerization](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

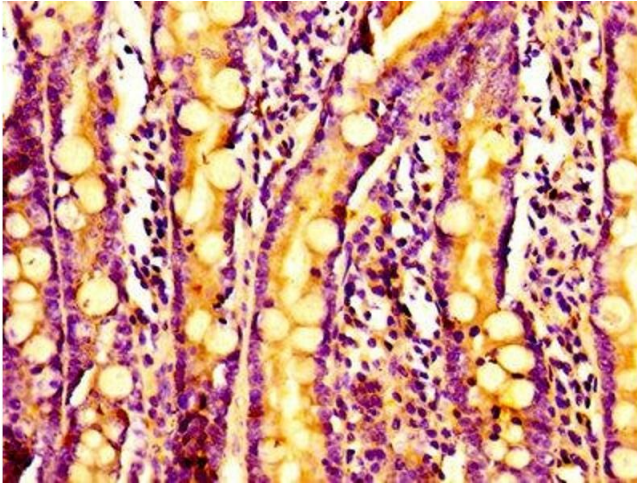
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7143085 at dilution of 1:100