

[Go to Product page](#)

Datasheet for ABIN7143086

**anti-ARPC2 antibody (AA 1-250) (Biotin)**

## Overview

Quantity:	100 µg
Target:	ARPC2
Binding Specificity:	AA 1-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARPC2 antibody is conjugated to Biotin
Application:	ELISA

## 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: Optimal working dilution should be determined by the investigator.

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.