

Datasheet for ABIN7143089  
**anti-ARPC3 antibody (AA 2-175)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	ARPC3
Binding Specificity:	AA 2-175
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARPC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Actin-related protein 2/3 complex subunit 3 protein (2-175AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	ARPC3
Alternative Name:	ARPC3 ( <a href="#">ARPC3 Products</a> )
Background:	Background: Component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF) (PubMed:9230079). The

## Target Details

Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility (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: ARPC3 antibody, ARC21Actin-related protein 2/3 complex subunit 3 antibody, Arp2/3 complex 21 kDa subunit antibody, p21-ARC antibody

UniProt: [O15145](#)

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

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

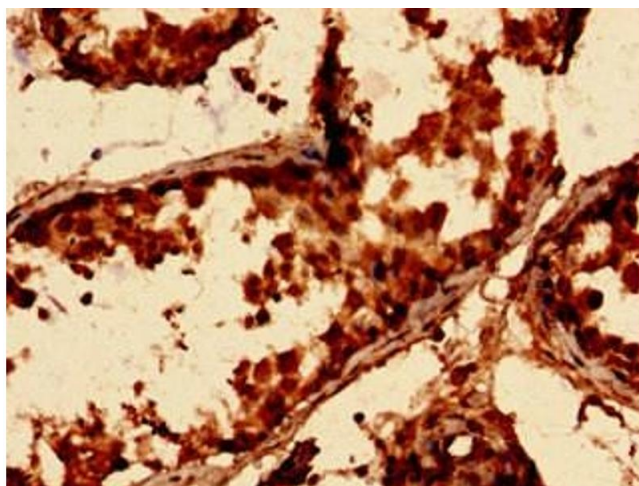
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

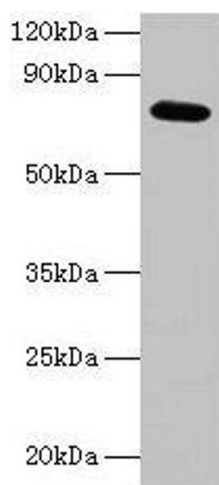
Storage: -20 °C,-80 °C

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



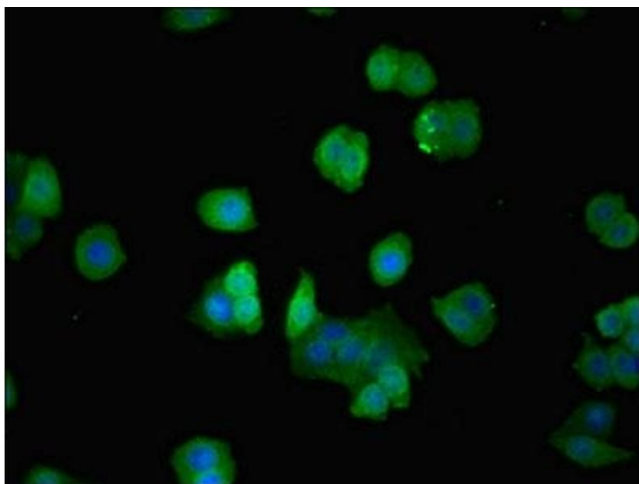
#### Immunohistochemistry

**Image 1.** Immunohistochemistry analysis of human testis tissue using ABIN7143089 at dilution of 1:100



#### Western Blotting

**Image 2.** Western blot All lanes: ARPC3 antibody at 2 µg/mL + 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/15000 dilution Predicted band size: 21 kDa Observed band size: 75 kDa



#### Immunofluorescence

**Image 3.** Immunofluorescent analysis of PC-3 cells using ABIN7143089 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7143089.