

Datasheet for ABIN7143093
anti-ARPC4 antibody (AA 2-168)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	ARPC4
Binding Specificity:	AA 2-168
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARPC4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Actin-related protein 2/3 complex subunit 4 protein (2-168AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ARPC4
Alternative Name:	ARPC4 (ARPC4 Products)
Background:	Background: Functions as actin-binding component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor

Target Details

(NPF) mediates the formation of branched actin networks. Seems to contact the mother actin filament.

Aliases: Actin related protein 2/3 complex subunit 4 antibody, Actin related protein 2/3 complex subunit 4 20 kD antibody, Actin related protein 2/3 complex subunit 4 20 kDa antibody, Actin related protein 2/3 complex, 20-KD subunit antibody, Actin-related protein 2/3 complex subunit 4 antibody, ARC20 antibody, Arp2/3 complex 20 kDa subunit antibody, Arp2/3 protein complex subunit p20 antibody, ARPC 4 antibody, ARPC4 antibody, ARPC4_HUMAN antibody, MGC13544 antibody, OTTHUMP00000165252 antibody, OTTHUMP00000207520 antibody, p20 Arc antibody, p20-ARC antibody, p20ARC antibody

UniProt: [P59998](#)

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

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

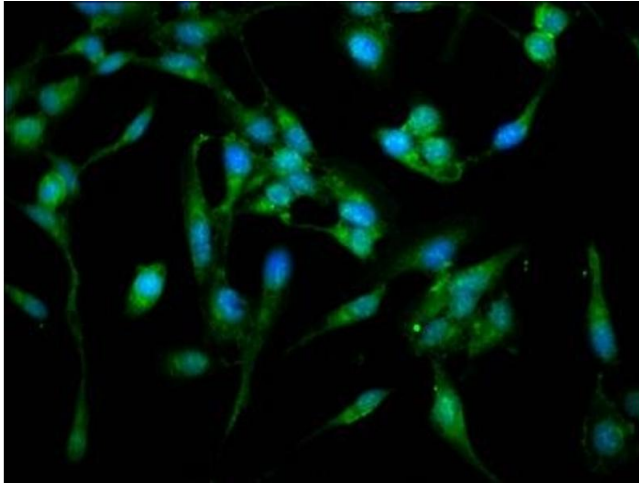
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

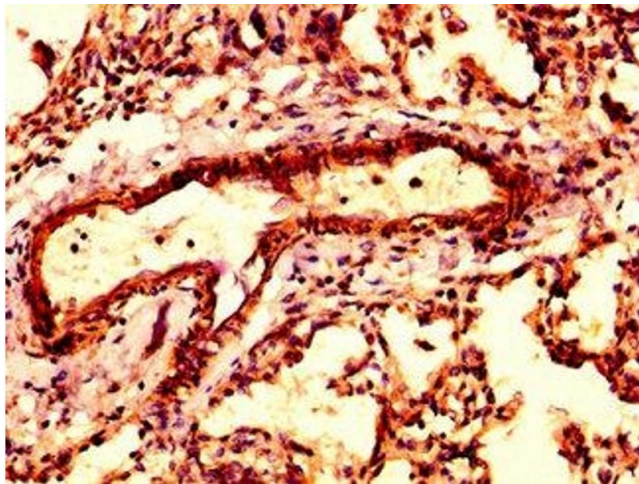
Storage: -20 °C,-80 °C

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



Immunofluorescence

Image 1. Immunofluorescence staining of HeLa cells with ABIN7143093 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7143093 diluted at 1:300 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.