

p21-ARC Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56754

Specification

p21-ARC Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O15145
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20547

p21-ARC Polyclonal Antibody - Additional Information

Gene ID 10094

Other Names

Actin-related protein 2/3 complex subunit 3, Arp2/3 complex 21 kDa subunit, p21-ARC, ARPC3, ARC21

Dilution

WB~1:1000
IHC-P~N/A
IHC-F~N/A
IF~1:50~200
ICC~N/A
E~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

p21-ARC Polyclonal Antibody - Protein Information

Name ARPC3

Synonyms ARC21

Function

Component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF) (PubMed:[9230079](http://www.uniprot.org/citations/9230079)). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility (PubMed:[9230079](http://www.uniprot.org/citations/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).

Cellular Location

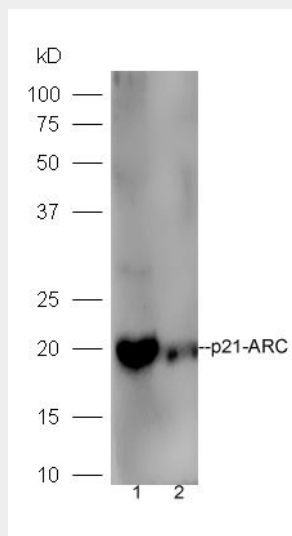
Cytoplasm, cytoskeleton. Cell projection Nucleus

p21-ARC Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

p21-ARC Polyclonal Antibody - Images



Protein:

intestinal(mouse) lysate at 30ug;

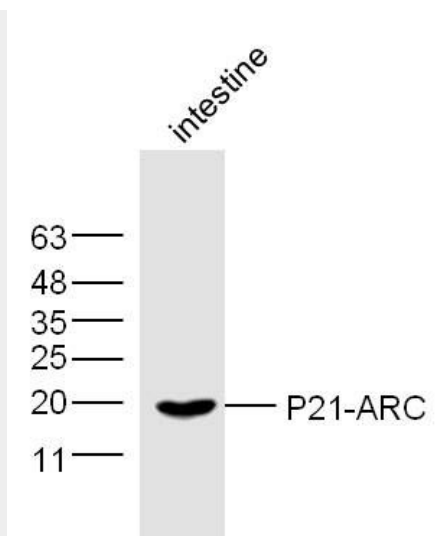
Raji(human) lysate at 30ug;

Primary: rabbit Anti-p21-ARC (bs-17589R) at 1:300;

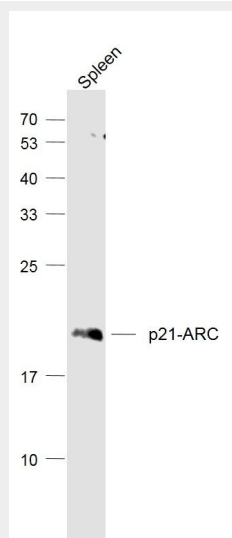
Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000;

Predicted band size:20 kD

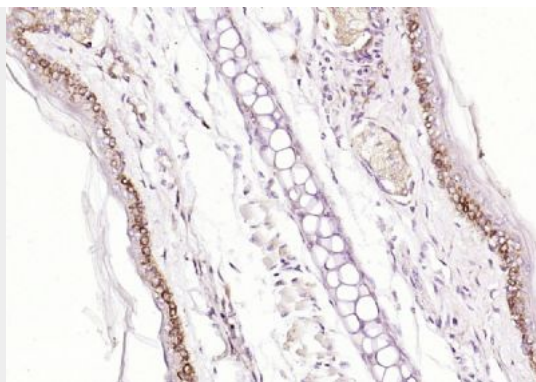
Observed band size: 20 kD



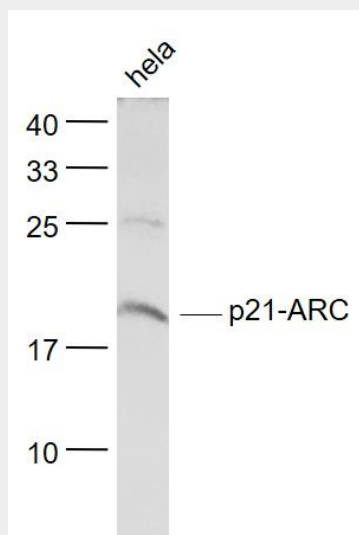
Protein: intestinal(mouse) lysate at 30ug;
Primary: rabbit Anti-p21-ARC (bs-17589R) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000;
Predicted band size:20 kD
Observed band size: 20 kD



Sample:
Spleen (Mouse) Lysate at 40 ug
Primary: Anti-p21-ARC (bs-17589R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 20 kD
Observed band size: 20 kD



Paraformaldehyde-fixed, paraffin embedded (mouse skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p21-ARC) Polyclonal Antibody, Unconjugated (bs-17589R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample:

Hela(Human) Cell Lysate at 30 ug

Primary: Anti- p21-ARC (bs-17589R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 20 kD

Observed band size: 20 kD