

p21 ARC Polyclonal Antibody

Product Details

Size	50ul/100ul
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide within human p21 ARC aa 120-178
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	TBS, pH 7.4, with 50% glycerol, 0.2% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

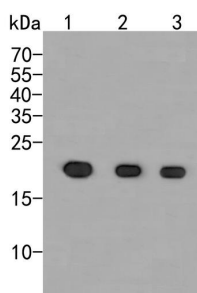
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:100	-

Product Specific Information

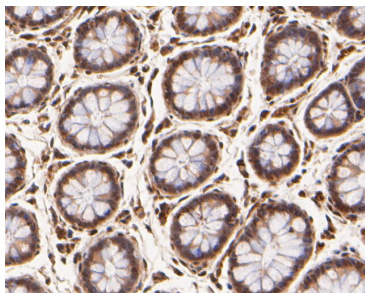
Positive Control: THP-1 cell lysate, rat lung tissue lysate, mouse lung tissue lysate, rat brain tissue, human colon tissue.

Subcellular Location: Cell projection, Cytoplasm, Cytoskeleton, Nucleus.

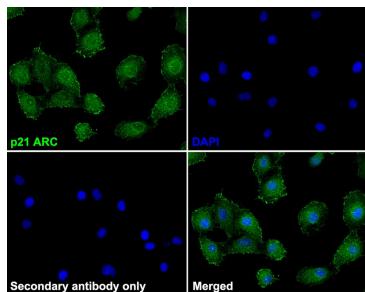
Product Images For p21 ARC Polyclonal Antibody



Western blot analysis of p21 ARC on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. p21 ARC Polyclonal Antibody (Product # RA1111) at 1:500 was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: THP-1 cell lysate . Lane 2: Rat lung tissue lysate. Lane 3: Mouse lung tissue lysate.



Immunohistochemistry (Paraffin) analysis of paraffin-embedded human colon tissue using p21 ARC Polyclonal Antibody (Product # RA1111). The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the p21 ARC antibody at a dilution of 1:200 for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunocytochemistry analysis of HUVEC cells labeling p21 ARC with Rabbit anti-p21 ARC antibody (RA1111) at 1/200 dilution.

Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-p21 ARC antibody (RA1111) at 1/200 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

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