

Anti-ARPC5/p16 ARC antibody ab118459

敲除 验证

★★★★☆ [1 Abreviews](#) [7 References](#) [4 图像](#)

概述

产品名称	Anti-ARPC5/p16 ARC抗体
描述	兔多克隆抗体to ARPC5/p16 ARC
宿主	Rabbit
经测试应用	适用于: ICC/IF, IHC-P, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Horse, Chicken, Cow, Dog, Pig, Chimpanzee, Macaque monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide corresponding to Human p16 ARC aa 1-100 conjugated to keyhole limpet haemocyanin. (Peptide available as ab134649)
阳性对照	This antibody gave a positive signal in the following whole cell lysates: TE671; HT1080; U2OS; HL60; HeLa; HT29. This antibody gave a positive result in IHC in the following FFPE tissue: Human lung adenocarcinoma. This antibody gave a positive result in IF in the following Formaldehyde fixed cell line: MCF-7.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab118459 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use a concentration of 5 µg/ml.
IHC-P	★★★★☆ (1)	Use a concentration of 1 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 18 kDa (predicted molecular weight: 16 kDa).

靶标

功能

Functions as component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks.

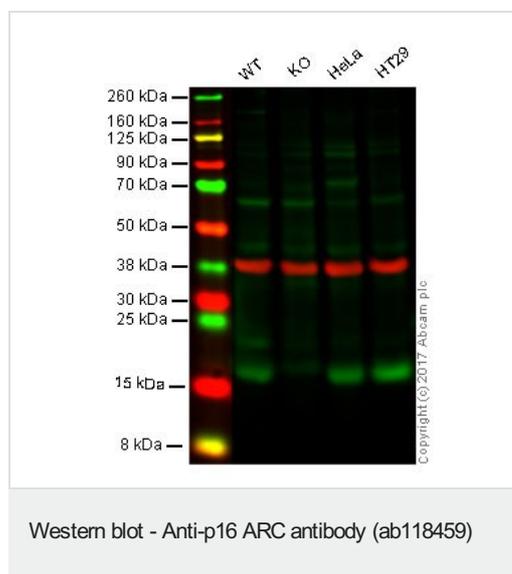
序列相似性

Belongs to the ARPC5 family.

细胞定位

Cytoplasm > cytoskeleton. Cell projection.

图片



Lane 1: Wild type HAP1 whole cell lysate (20 µg)

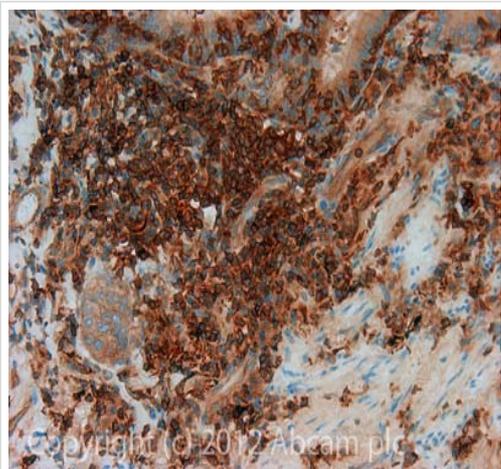
Lane 2: p16 ARC knockout HAP1 whole cell lysate (20 µg)

Lane 3: HeLa whole cell lysate (20 µg)

Lane 4: HT29 whole cell lysate (20 µg)

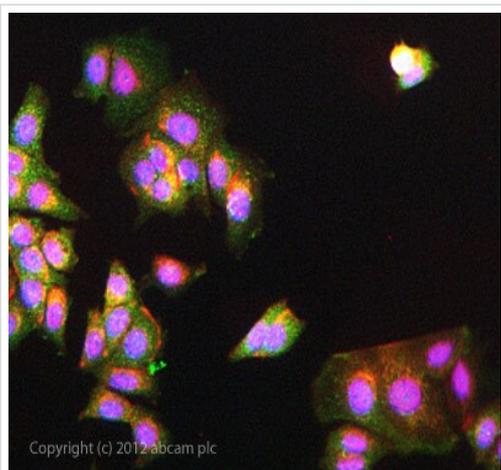
Lanes 1 - 4: Merged signal (red and green). Green - ab118459 observed at 16 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab118459 was shown to recognize p16 ARC when p16 ARC knockout samples were used, along with additional cross-reactive bands. Wild-type and p16 ARC knockout samples were subjected to SDS-PAGE. Ab118459 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1 µg/ml and 1/10000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



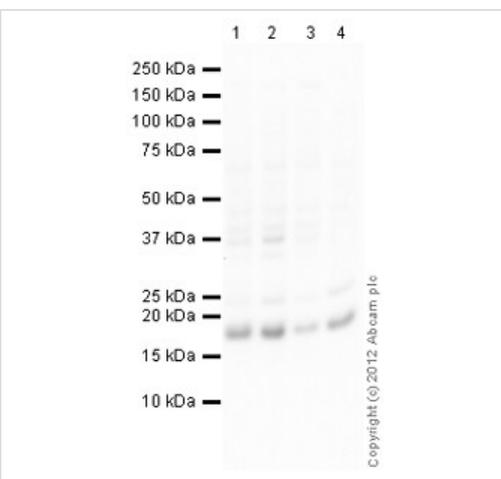
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p16 ARC antibody (ab118459)

IHC image of p16 ARC staining in Human lung adenocarcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab118459, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunocytochemistry/ Immunofluorescence - Anti-p16 ARC antibody (ab118459)

ICC/IF image of ab118459 stained MCF-7 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab118459 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (ab96899) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in formaldehyde fixed (4%, 10min) HeLa, Hek293, and HepG2 cell types, and in Methanol fixed (100%, 5min) HeLa, and HepG2 cell types.



Western blot - Anti-p16 ARC antibody (ab118459)

All lanes : Anti-ARPC5/p16 ARC antibody (ab118459) at 1 µg/ml

Lane 1 : DU 145 (Human prostate carcinoma cell line) Whole Cell Lysate

Lane 2 : HT 1080 (Human fibrosarcoma) Whole Cell Lysate

Lane 3 : U2OS (Human osteosarcoma cell line) Whole Cell Lysate

Lane 4 : HL60 (Human promyelocytic leukemia cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed

(**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 16 kDa

Observed band size: 18 kDa

Additional bands at: 24 kDa, 37 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 3 minutes

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