

## Product Datasheet

### p16INK4a Antibody (C-term E119) (orb1938017)

<b>Catalog Number</b>	orb1938017
<b>Category</b>	Antibodies
<b>Description</b>	Affinity Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	CDKN2A (HGNC:1787)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This p16INK4a antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-131 amino acids from the C-terminal region of human p16INK4a. Antigen Region: 104-131 aa.
<b>UniProt ID</b>	<b>P42771</b>
<b>MW</b>	16533 Da
<b>Tested applications</b>	FC, IF, IHC-P, WB
<b>Dilution range</b>	IF - 1:10-50, WB - 1:2000, IHC-P-Leica - 1:500, FC - 1:25
<b>Clone Number</b>	BTD31215

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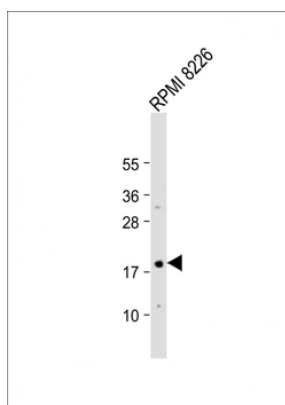
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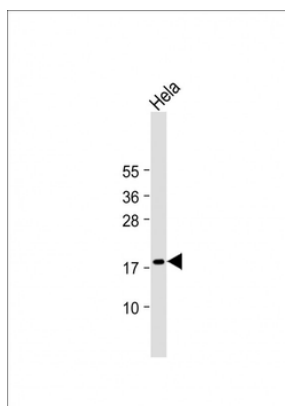
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<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_001182061.1, NP_478104.2, NP_000068.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



Anti-CDKN2A Antibody (Center) at 1:2000 dilution + RPMI 8226 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 17 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.



Anti-p16INK4a Antibody (C-term E119) at 1:2000 dilution + HeLa whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 17 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.

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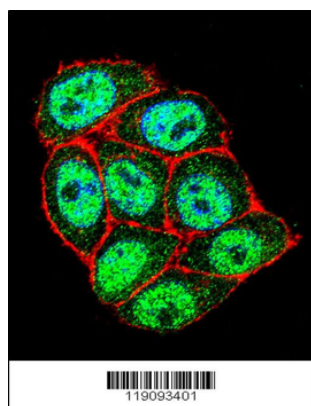
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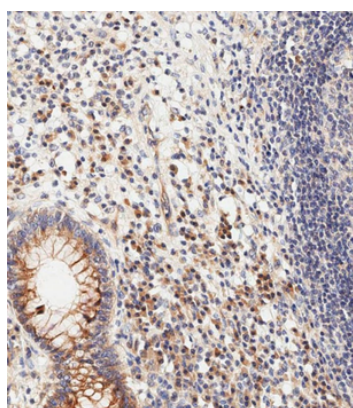
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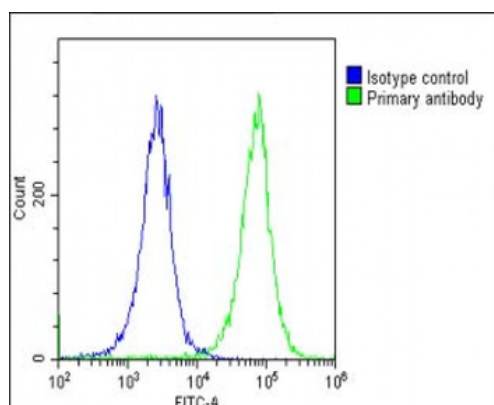
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Confocal immunofluorescent analysis of p16INK4a Antibody (C-term E119) with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of paraffin-embedded human epityphlon tissue performed on the Leica BOND RXm. Samples were incubated with primary antibody (1/500) for 1 hour at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Overlay histogram showing HeLa cells (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of > 10000 events was performed.

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