

Anti-CDKN2A/P16INK4a Rabbit pAb



WLH3673

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Product Information

Product name Anti-CDKN2A/P16INK4a Rabbit pAb**Source** Rabbit**Species reactivity** Human, Mouse, Rat**Tested applications** WB 1:1000-1:2000

IHC 1:200

IF 1:500

Cellular localization Cytoplasmic and Nuclear**Pack size** 50/100/200/500/1000µl**Storage** Store at -20°C. **Avoid freeze/thaw cycles.****Storage buffer** Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml

BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

p16INK4a is a member of the CDKN2 cyclin-dependent kinase inhibitor family of molecules. It is widely expressed (although not in skeletal muscle) and serves as a negative regulator of cell proliferation. The protein p16INK4A, identified as a negative regulator of the cell cycle, has been shown to bind to and inhibit the activity of the Cdk4/cyclin D complex. p19 ARF, which is unrelated to p16, arises from transcription of an alternative reading frame of the p16 gene. Like p16, p19 ARF has been shown to induce cell cycle arrest. Mice lacking p19 ARF but expressing functional p16 have been shown to develop tumors early in life.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of CDKN2A/P16INK4a.

Purification

Polyclonal antibody was purified by protein A affinity chromatography.

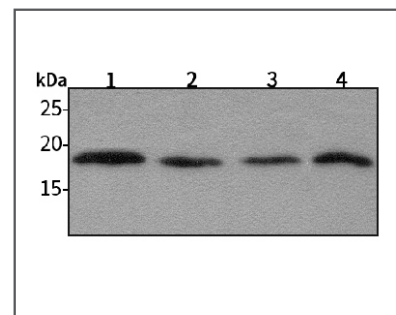
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Product Images



Western blot-Anti-CDKN2A/P16INK4a pAb

Lane 1: Human Hela cell lysate

Lane 2: Human MCF-7 cell lysate

Lane 3: Human HEK-293 cell lysate

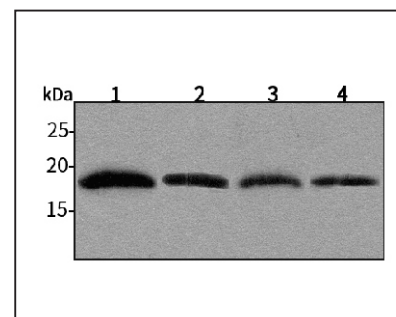
Lane 4: Human A549 cell lysate

All lanes: Anti-CDKN2A/P16INK4a at 1:1000 dilution

Lysates/proteins at 20-50 µg per lane.

Predicted band size: 17 kDa

Observed band size: 17 kDa



Western blot-Anti-CDKN2A/P16INK4a pAb

Lane 1: Mouse kidney tissue lysate

Lane 2: Mouse liver tissue lysate

Lane 3: Rat lung tissue lysate

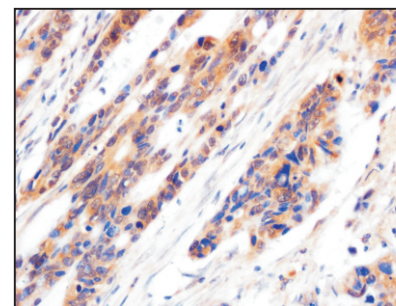
Lane 4: Rat stomach tissue lysate

All lanes: Anti-CDKN2A/P16INK4a at 1:1000 dilution

Lysates/proteins at 20-50 µg per lane.

Predicted band size: 17 kDa

Observed band size: 17 kDa



Immunohistochemistry-Anti-CDKN2A/P16INK4a pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-CDKN2A/P16INK4a Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

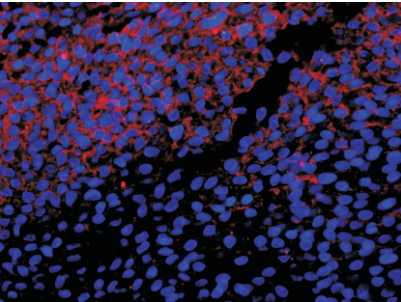
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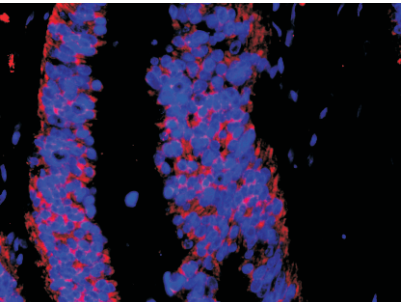
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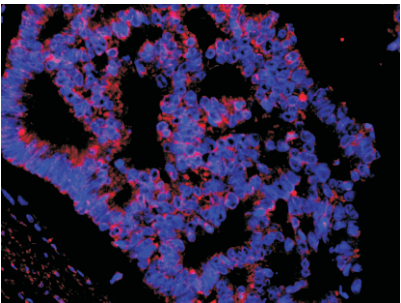
Immunofluorescence-Anti-CDKN2A/P16INK4a pAb

Immunofluorescence analysis of paraffin-embedded human bladder cancer using anti-CDKN2A/P16INK4a Rabbit Antibody at 1:500 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-CDKN2A/P16INK4a pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti-CDKN2A/P16INK4a Rabbit Antibody at 1:500 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-CDKN2A/P16INK4a pAb

Immunofluorescence analysis of paraffin-embedded human rectum cancer using anti-CDKN2A/P16INK4a Rabbit Antibody at 1:500 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

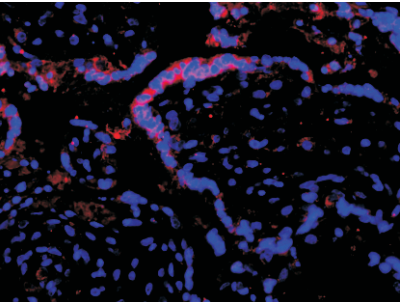
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Immunofluorescence-Anti-CDKN2A/P16INK4a pAb

Immunofluorescence analysis of paraffin-embedded human eclampsia placenta using anti-CDKN2A/P16INK4a Rabbit Antibody at 1:500 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0