Product datasheet

Anti-p19 INK4d/CDKN2D Antibody

Catalog Number: *A04390-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-p19 INK4d/CDKN2D Antibody
Gene Name	CDKN2D
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human p19 INK4d/CDKN2D recombinant protein (Position: E31-H132).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	18 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Cyclin-dependent kinase 4 inhibitor D is an enzyme that in humans is encoded by the CDKN2D gene. The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to form a stable complex with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. The abundance of the transcript of this gene was found to oscillate in a cell-cycle dependent manner with the lowest expression at mid G1 and a maximal expression during S phase. The negative regulation of the cell cycle involved in this protein was shown to participate in repressing neuronal proliferation, as well as spermatogenesis. Two alternatively spliced variants of this gene, which encode an identical protein, have been reported.

Reference

Anti-p19 INK4d/CDKN2D Antibody 被引用在1文献中。

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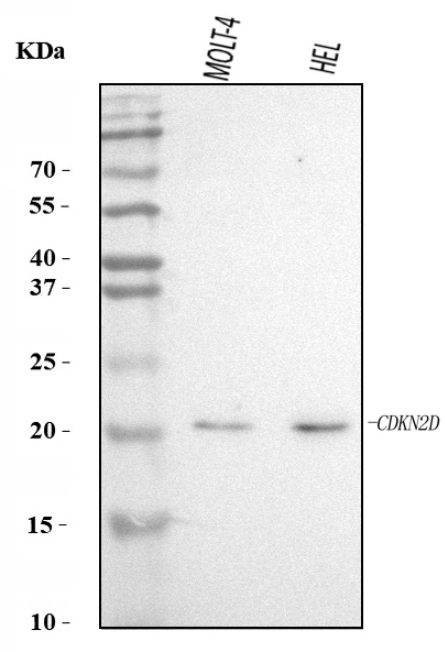
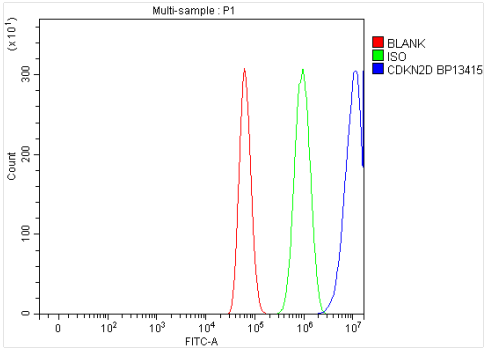
Selected Validation Data



Western blot analysis of p19 INK4d/CDKN2D using anti-p19 INK4d/CDKN2D antibody (A04390-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: MOLT-4 whole cell lysates,
Lane 2: HEL whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-p19 INK4d/CDKN2D antigen affinity purified polyclonal antibody (A04390-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for p19 INK4d/CDKN2D at approximately 18 kDa. The expected band size for p19 INK4d/CDKN2D is at 18 kDa.



Flow Cytometry analysis of U87 cells using anti-p19 INK4d/CDKN2D antibody (A04390-2).
Overlay histogram showing U87 cells stained with A04390-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-p19 INK4d/CDKN2D Antibody (A04390-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.