

Human p27/Kip1 antibody

Catalog Number: ATGA0417

PRODUCT INFORMATION

Catalog number

ATGA0417

Clone No.

AT7B9

Product type

Monoclonal Antibody

UnitProt No.

P46527

NCBI Accession No.

NP_004055

Alternative Names

Cyclin-dependent kinase inhibitor 1B, CDKN4, KIP1, MEN1B, MEN4, P27KIP1

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human CDKN1b (1-198aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA,WB,ICC/IF

Usage

The antibody has been tested by ELISA, Western blot analysis and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

The cyclin-dependent kinase inhibitor p27Kip1 plays an important role in cell cycle regulation. The cyclin-dependent kinase-inhibitory activity of p27Kip1 is regulated by changes in its concentration and its subcellular localization. Cyclin-dependent kinase inhibitor p27 (kip1) is a putative tumor suppressor for human cancer.

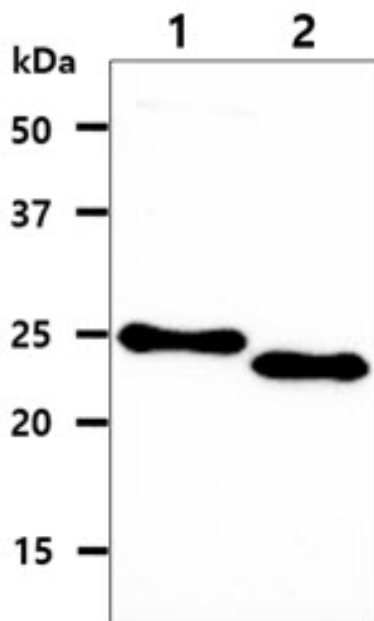
General References

Fujita N., et al. (2003) J Biol Chem. 278(49): 49254-60.

Viglietto G., et al. (2002) Nat Med. 8(10): 1136-44.

DATA

Western blot analysis (WB)

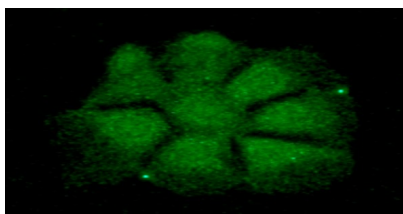


The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CDKN1b antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1 : MCF-7 cell lysate

Lane 2 : NIH/3T3 cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of CDKN1b in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CDKN1b antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

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