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Datasheet for ABIN3030647
anti-CDKN2B antibody (AA 102-130)

7 Images

Overview

| | |
|----------------------|--|
| Quantity: | 0.4 mL |
| Target: | CDKN2B |
| Binding Specificity: | AA 102-130 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CDKN2B antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS) |

Product Details

| | |
|---------------|---|
| Immunogen: | A portion of amino acids 102-130 from the human protein was used as the immunogen for this CDKN2B antibody. |
| Isotype: | Ig Fraction |
| Purification: | Antigen affinity purified |

Target Details

| | |
|-------------------|---|
| Target: | CDKN2B |
| Alternative Name: | CDKN2B (CDKN2B Products) |
| Background: | This gene lies adjacent to the tumor suppressor gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. This gene encodes a cyclin-dependent kinase |

Target Details

inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported.

UniProt: [P42772](#)

Pathways: [Cell Division Cycle, Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: Titration of the CDKN2B antibody may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 1:1000, IHC (Paraffin): 1:10-1:50, Immunofluorescence: 1:10-1:50, Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

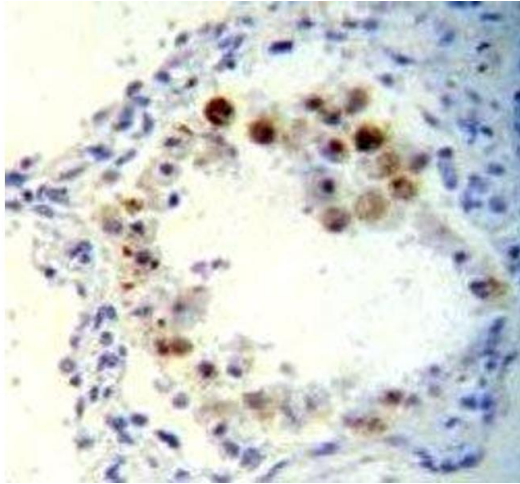
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

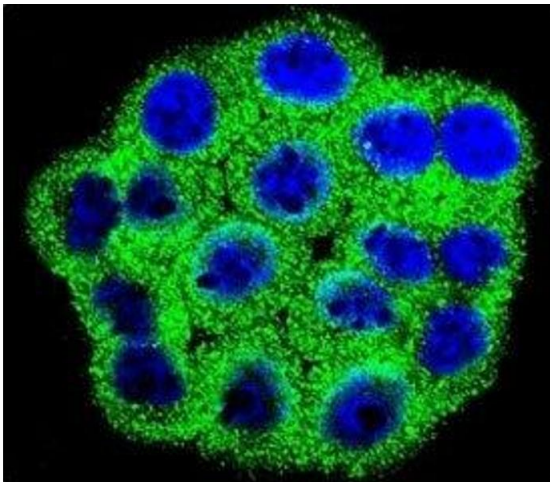
Storage: -20 °C

Storage Comment: Aliquot the CDKN2B antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



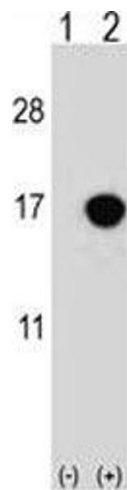
Immunohistochemistry

Image 1. CDKN2B antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of CDKN2B antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Western Blotting

Image 3. Western blot analysis of CDKN2B antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected (2) with the CDKN2B gene.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3030647.