Human PDCD4 antibody

Catalog Number: IBAPD0818

PRODUCT INPORMATION

Catalog number
APD0818

Clone No.
k4C1

Product type
Monoclonal Antibody

UnitProt No.
Q53EL6

NCBI Accession No.
NP_055271

Alternative Names
Programmed cell death 4 isoform 1, neoplastic transformation inhibitor, H731, MGC33046, MGC33047, Programmed cell death 4 isoform 1, PDPC4, Programmed cell death 4 isoform 1, PDCD4, programmed cell death 4 (neoplastic transformation inhibitor), nuclear antigen H731

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 PDCD4 (1-469aa) purified from E. coli

Isotype
IgG1 kappa

Purification Note
By protein-G affinity chromatography

Application
ELISA, WB, ICC/IF, FACS

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

Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com

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Storage

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

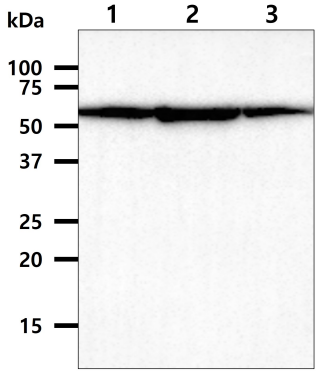
Programmed cell death 4 (PDCD4) encodes a tumor suppressor protein whose expression is lost in progressed carcinomas of lung, breast, colon, and prostate. The expression of PDCD4 gene is strongly induced during apoptosis in a number of cell types. It is modulated by cytokines in natural killer and T cells.

General References

Palamarchuk A, et al., (2006) Cancer Res 65(24):11282-11286.
Yoshina, et al., (1999) Pathol Int 49(12):1067-1077.

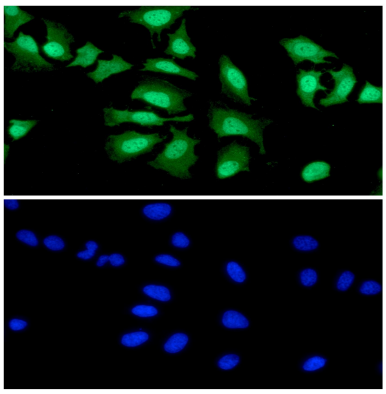
DATA

Western blot analysis (WB)



The cell lysates(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PDCD4 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: K562 cell lysate
Lane 2.: HeLa cell lysate
Lane 3.: 293T cell lysate

Immunoflorense (ICC/IF)



ICC/IF analysis of PDCD4 in HeLa cells. The cell was stained with APD0818 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Flow cytometry (FACS)

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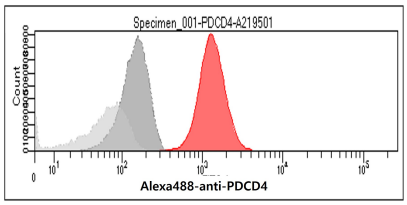

Flow cytometry analysis of PDCD4 in MCF7 cells. The cell was stained with APD0818 at 2-5ug for 1x10^6cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).

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