

## **PDCD4 Antibody**

Rabbit mAb Catalog # AP91366

## **Specification**

## **PDCD4 Antibody - Product Information**

Application WB, IHC, FC, ICC

Primary Accession Q53EL6
Clonality Monoclonal

**Other Names** 

Death up-regulated gene protein; Dug; H731; Ma3; Neoplastic transformation inhibitor; Nuclear antigen H731; Pdcd4; Programmed cell death protein 4; Tis;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 51735 Da

## **PDCD4 Antibody - Additional Information**

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

PDCD4

Description PDCD4 (programmed cell death protein 4)

was identified as a suppressor of

neoplastic transformation. It interacts with eukaryotic initiation factors eIF4AI and eIF4AII. PDCD4 colocalizes with eIF4A in the cytoplasm and inhibits the activity of eIF4A as an ATP-dependent RNA helicase. Rabbit IgG in phosphate buffered saline, pH 7.4. 150mM NaCL 0.02% sodium azide

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

# **PDCD4 Antibody - Protein Information**

Storage Condition and Buffer

Name PDCD4

Synonyms H731

#### **Function**

Inhibits translation initiation and cap-dependent translation. May excert its function by hindering the interaction between EIF4A1 and EIF4G. Inhibits the helicase activity of EIF4A. Modulates the activation of JUN kinase. Down-regulates the expression of MAP4K1, thus inhibiting events important in driving invasion, namely, MAPK85 activation and consequent JUN-dependent transcription. May play a role in apoptosis. Tumor suppressor. Inhibits tumor promoter-induced neoplastic transformation. Binds RNA (By similarity).



## **Cellular Location**

Nucleus {ECO:0000250|UniProtKB:Q61823}. Cytoplasm {ECO:0000250|UniProtKB:Q61823}. Note=Shuttles between the nucleus and cytoplasm (By similarity). Predominantly nuclear under normal growth conditions, and when phosphorylated at Ser-457 (PubMed:16357133)

#### **Tissue Location**

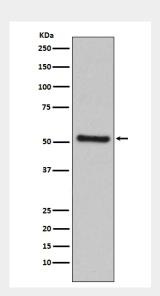
Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland. Reduced expression in lung cancer and colon carcinoma.

## **PDCD4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **PDCD4 Antibody - Images**



Western blot analysis of PDCD4 expression in HeLa cell lysate.