

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; Pcd4; 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 eIF4A1 and eIF4A2. 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 and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Storage Condition and Buffer

PDCD4 Antibody - Protein Information

Name PDCD4

Synonyms H731

Function

Inhibits translation initiation and cap-dependent translation. May exert 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

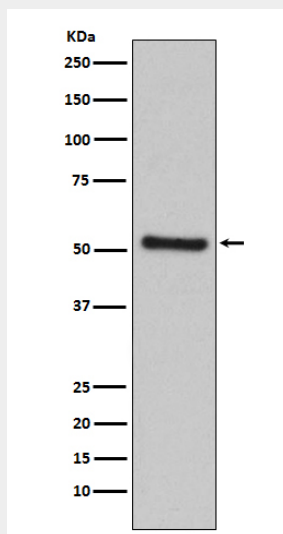
Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland. Reduced expression in lung cancer and colon carcinoma.

PDCD4 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PDCD4 Antibody - Images



Western blot analysis of PDCD4 expression in HeLa cell lysate.