

**PDCD4 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS14698**

**Specification**

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**PDCD4 Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">Q53EL6</a>
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Chicken, Goat, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52kDa KDa

**PDCD4 Antibody - Additional Information**

**Gene ID** 27250

**Other Names**

Programmed cell death protein 4, Neoplastic transformation inhibitor protein, Nuclear antigen H731-like, Protein 197/15a, PDCD4, H731

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

PDCD4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**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.

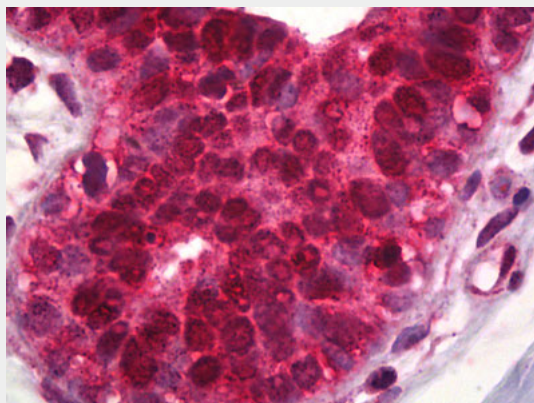
**Volume**

100  $\mu$ l

**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**

Anti-PDCD4 antibody IHC of human breast.

**PDCD4 Antibody - Background**

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**PDCD4 Antibody - References**

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Azzoni L., et al. J. Immunol. 161:3493-3500(1998).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Totoki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.  
Deloukas P., et al. Nature 429:375-381(2004).