

**Product Name: PDCD4 (7W6) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe15878**

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## Summary

<b>Production Name</b>	PDCD4 (7W6) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	PDCD4
<b>Alternative Names</b>	Death up-regulated gene protein; Dug; H731; Ma3; Neoplastic transformation inhibitor; Nuclear antigen H731; Pdcd4; Programmed cell death protein 4; Tis;
<b>Gene ID</b>	27250.0
<b>SwissProt ID</b>	Q53EL6.

## Application

<b>Dilution Ratio</b>	WB 1:500-1:2000
<b>Molecular Weight</b>	52kDa

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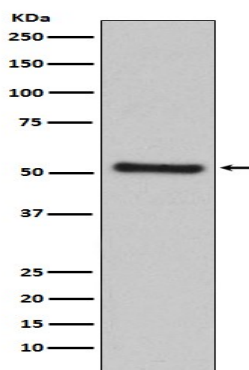


## Background

PDCD4 (programmed cell death protein 4) was identified as a suppressor of neoplastic transformation. It interacts with eukaryotic initiation factors eIF4A1 and eIF4AII. PDCD4 colocalizes with eIF4A in the cytoplasm and inhibits the activity of eIF4A as an ATP-dependent RNA helicase. 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).

## Research Area

## Image Data



Western blot analysis of PDCD4 expression in HeLa cell lysate.

## Note

For research use only.