

PDCD4

Reactivity: Human Mouse Rat

Tested applications: WB IHC IP FC

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:50 - 1:100 IP 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW: 52kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human PDCD4

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

b

Synonym:

H731; MGC33046; MGC33047;

Catalog #: A2420

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 27250

Isotype: IgG

Swiss Prot: Q53EL6

Purity: Affinity purification

For research use only.

Background:

PDCD4 (programmed cell death protein 4) was identified as a suppressor of neoplastic transformation (1). It interacts with eukaryotic initiation factors eIF4AI and eIF4AII (2). PDCD4 colocalizes with eIF4A in the cytoplasm and inhibits the activity of eIF4A as an ATP-dependent RNA helicase (2). PDCD4 inhibits cap-dependent translation (2). Upon stimulation by mitogens, PDCD4 is phosphorylated on Ser67 by S6K1 kinase and then degraded through the ubiquitin pathway leading to enhanced translation and cell growth (3).

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