



PDCD4 Polyclonal Antibody

E92420

Catalog Number: E92420**Amount:** 100ul

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).

Species: Rabbit**Isotype:** IgG

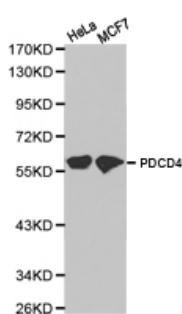
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: H731; MGC33046; MGC33047;**Immunogen:** Fusion protein of human PDCD4**Purification:** Affinity purification**Reactivity:** H M R**Applications:** WB IHC**Molecular Weight:** 52kDa**Swiss-Prot No.:** Q53EL6**Gene ID:** 27250

References: 1. Cmarik, J.L. et al. (1999) Proc Natl Acad Sci USA 96, 14037-42. 2. Yang, H.S. et al. (2003) Mol Cell Biol 23, 26-37. 3. Dorrello, N.V. et al. (2006) Science 314, 467-71

WB 1:500 - 1:1000

IHC 1:50- 1:100

**For Research Use Only**

Western blot analysis of extracts of various cell lines,
using PDCD4 antibody.