

## PDCD4 (K453) polyclonal antibody

Catalog: BS1805

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The transformation suppressor gene Pcd-4 (programmed cell death gene 4) inhibits the tumor-promoter mediated transformation of mouse keratinocytes and is a potential tumor suppressor gene in the development of human lung cancer. Biochemical analysis suggests that the Pcd-4 protein is involved in protein translation as well as in nuclear events. Pcd-4 directly interacts with the RNA helicase eIF4A and inhibits protein synthesis by interfering with the assembly of the cap-dependent translation initiation complex. Pcd-4 also suppresses the transactivation of AP-1 responsive promoters by c-Jun, suggesting that the transformation-suppressor activity of Pcd-4 might be due, at least in part, to the inhibition of c-Jun activity. In addition to affecting c-Jun phosphorylation, Pcd-4 blocks the recruitment of the co-activator p300 by c-Jun.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 51 kDa

### Swiss-Prot:

Q53EL6

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

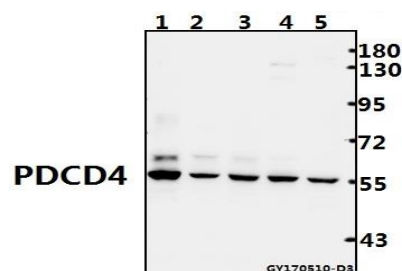
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

PDCD4 (K453) polyclonal antibody detects endogenous levels of PDCD4 protein.

### DATA:



Western blot (WB) analysis of PDCD4 (K453) polyclonal antibody at 1:500 dilution

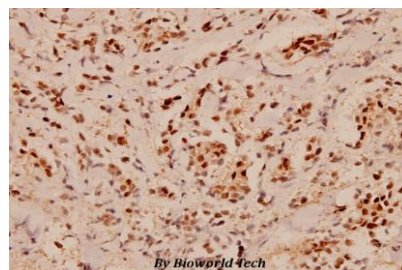
Lane1:HEK293T whole cell lysate(40ug)

Lane2:HCT116 whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:CT26 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of PDCD4 (K453) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.

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