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|--------------------------|---------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | Pdcd-4 Rabbit Polyclonal Antibody                                                                 |
| <b>Cat number:</b>       | ABN15879                                                                                          |
| <b>Conjugate:</b>        | Unconjugated                                                                                      |
| <b>Size:</b>             | 100µL                                                                                             |
| <b>Clone:</b>            | Polyclonal                                                                                        |
| <b>Concentration:</b>    | 1mg/ml                                                                                            |
| <b>Host:</b>             | Rabbit                                                                                            |
| <b>Isotype:</b>          | IgG                                                                                               |
| <b>Immunogen:</b>        | The antiserum was produced against synthesized peptide derived from human PDCD4. AA range:420-469 |
| <b>Reactivity:</b>       | Human,Mouse,Rat                                                                                   |
| <b>Applications:</b>     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000                         |
| <b>Molecular Weight:</b> | 51kDa                                                                                             |
| <b>Purification:</b>     | Affinity purification                                                                             |
| <b>Form:</b>             | Liquid                                                                                            |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.                |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.      |

**Background:**

This gene is a tumor suppressor and encodes a protein that binds to the eukaryotic translation initiation factor 4A1 and inhibits its function by preventing RNA binding. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010],caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,disease:Loss of expression correlated with tumor progression of lung and colon carcinoma.,domain:Binds EIF4A1 via the MA3 domains.,function:Tumor suppressor. Inhibits tumor promoter-induced neoplastic transformation. 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. Inhibits the helicase activity of EIF4A and cap-dependent translation. Binds RNA.,induction:IL2 stimulation inhibits expression, while IL12 increases expression.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the PDCD4 family.,similarity:Contains 2 MI domains.,subcellular location:Shuttles between the nucleus and cytoplasm. Predominantly nuclear under normal growth conditions. Exported from the nucleus in the absence of serum.,subunit:Interacts with EIF4A1 and EIF4A2.,tissue specificity:Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland.,