

## Product datasheet for **AP20338PU-S**

### PDCD4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of PDCD4 protein.
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 51 kDa
Gene Name:	programmed cell death 4 (neoplastic transformation inhibitor)
Database Link:	<a href="#">Entrez Gene 18569 Mouse</a> <a href="#">Entrez Gene 64031 Rat</a> <a href="#">Entrez Gene 27250 Human</a> <a href="#">Q53EL6</a>
Background:	The transformation suppressor gene Pdc4-4 (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 Pdc4-4 protein is involved in protein translation as well as in nuclear events. Pdc4-4 directly interacts with the RNA helicase eIF4A and inhibits protein synthesis by interfering with the assembly of the cap-dependent translation initiation complex. Pdc4-4 also suppresses the transactivation of AP-1 responsive promoters by c-Jun, suggesting that the transformation-suppressor activity of Pdc4-4 might be due, at least in part, to the inhibition of c-Jun activity. In addition to affecting c-Jun phosphorylation, Pdc4-4 blocks the recruitment of the coactivator p300 by c-Jun.

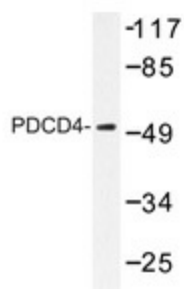


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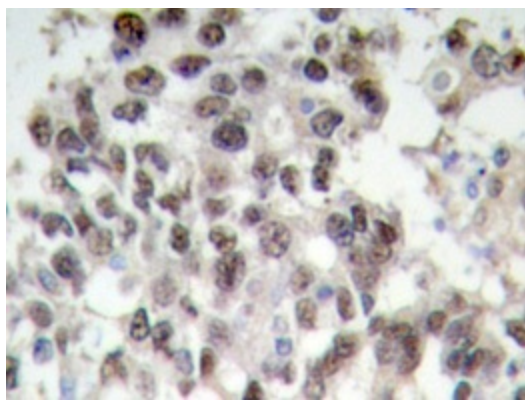
**Synonyms:** H731

**Protein Families:** Druggable Genome

**Product images:**



Western blot analyzes of PDCD4 antibody (Cat.-No.: [AP20338PU-N]) in extracts from 293 cells.



Immunohistochemistry analyzes of PDCD4 antibody (Cat.-No.: [AP20338PU-N]) in paraffin-embedded human breast carcinoma tissue.