

Datasheet: VPA00093

Description:	RABBIT ANTI PDCCD4
Specificity:	PDCCD4
Other names:	Programmed Cell Death 4
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	100µl Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Synthetic peptide corresponding to amino acids near the C-terminal of human PDCCD4
External Database Links	UniProt: Q53EL6 Related reagents Entrez Gene: 27250 PDCCD4 Related reagents

Synonyms H731

Specificity **Rabbit anti Human PDCD4 antibody** recognizes programmed cell death 4 (PDCD4), a novel tumor suppressor.

PDCD4 interacts with the RNA helicase eIF4A and the scaffolding protein eIF4G, two components of the translation initiation complex, and thus inhibits protein synthesis ([Yang et al. 2003](#)). PDCD4 has also been shown to inhibit transcription factor activator protein-1 (AP-1), which regulates several events required for cell invasion, including expression of matrix metalloproteinases and cell motility ([Wang et al. 2013](#)).

PDCD4 localizes to the nucleus in proliferating cells, and its expression is modulated by cytokines in natural killer and T-cells. PDCD4 expression is down regulated with tumor progression in carcinomas of the lung, colon, prostate and breast.

Rabbit anti Human PDCD4 antibody detects programmed cell death 4 as a single band of 52 kDa in a wide range of human cell line lysates. Cross reactivity with rodent cell lines is also observed.

Western Blotting Rabbit anti PDCD4 detects a band of approximately 52 kDa in Jurkat cell lysates.

Instructions For Use Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Shelf Life As supplied, 12 months from date of despatch.

Acknowledgements PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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