

Datasheet: VPA00093

BATCH NUMBER 151125

| | |
|----------------------|-------------------------|
| Description: | RABBIT ANTI PDCD4 |
| Specificity: | PDCD4 |
| 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 |

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. 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 dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

100µl Rabbit polyclonal antibody purified by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide (NaN₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen Synthetic peptide corresponding to amino acids near the C-terminal of human PDCD4

External Database Links

UniProt:
[Q53EL6](#) [Related reagents](#)

Entrez Gene:
[27250](#) PDCD4 [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.

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

Guarantee 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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M374080:201018'

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