

Datasheet: VPA00093

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	<p>Reacts with: Mouse, Rat</p> <p>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.</p>
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).

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	<p>UniProt: Q53EL6 Related reagents</p> <p>Entrez Gene: 27250 PDCD4 Related reagents</p>
Synonyms	H731
Specificity	<p>Rabbit anti Human PDCD4 antibody recognizes programmed cell death 4 (PDCD4), a novel tumor suppressor.</p> <p>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).</p> <p>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.</p> <p>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.</p>
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	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VPA00093</p> <p>Antibody (10040)</p>
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
'M400335:220708'

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