

Datasheet: VPA00264

Description:	RABBIT ANTI PROLYL HYDROXYLASE 1
Specificity:	PROLYL HYDROXYLASE 1
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

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

Rabbit polyclonal antibody purified by affinity chromatography.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃).

Immunogen

KLH-conjugated synthetic peptide corresponding to aa 96-123 of human prolyl hydroxylase 1

External Database**Links****UniProt:**[Q96KS0](#)[Related reagents](#)**Entrez Gene:**[112398](#)

EGLN2

[Related reagents](#)

Synonyms

EIT6

Specificity

Rabbit anti Human prolyl hydroxylase 1 antibody recognizes prolyl hydroxylase 1, also known as PHD1, EGLN2, HIF-prolyl hydroxylase 1, egl9 homolog 2, hypoxia-inducible factor prolyl hydroxylase 1 and prolyl hydroxylase domain-containing protein 1.

Hypoxia inducible factor (HIF) is a transcriptional complex that is involved in oxygen homeostasis. At normal oxygen levels, the alpha subunit of HIF is targeted for degradation by prolyl hydroxylation. The prolyl hydroxylase 1 gene encodes an enzyme responsible for this post-translational modification. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between the prolyl hydroxylase 1 gene and the upstream RAB4B (RAB4B, member RAS oncogene family) gene (provided by RefSeq, Feb 2011).

Rabbit anti Human prolyl hydroxylase 1 antibody detects a band of 44 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti prolyl hydroxylase 1 detects a band of approximately 44 kDa in HepG2 cell lysate.

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](https://www.bio-rad-antibodies.com/datasheets)

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