

Datasheet: AHP3006

BATCH NUMBER 153400

Description:	RABBIT ANTI PDHA1
Specificity:	PDHA1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 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
Immunohistology - Paraffin	■			1/50 - 1/200
Western Blotting	■			1/500 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Rat, Mouse</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
Antiserum Preparation	Antiserum to PDHA1 was raised by repeated immunization of rabbits with highly purified antigen
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<p>0.02% Sodium Azide</p> <p>50% Glycerol</p>

Immunogen Recombinant protein of human PDHA1

External Database

Links

UniProt:

[P08559](#)

[Related reagents](#)

Entrez Gene:

[5160](#)

PDHA1

[Related reagents](#)

Synonyms

PHE1A

Specificity

Rabbit anti PDHA1 antibody recognizes pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial, also known as PDHE1-A type 1 and PHE1A.

The PDHA1 gene encodes part of the mitochondrial pyruvate dehydrogenase (PDH) complex, which converts pyruvate to acetyl-CoA and CO₂. PDHA1 deficiency leads to mitochondrial dysfunction, and is associated with poor outcome in multiple cancer types (Song et al. 2018). The gene encoding PDHA1 is located on the X-chromosome, and mutations result in metabolic disorders, intellectual disability and early death (Yoshida et al. 2017).

Storage

Store at -20°C

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10049 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP3006>
10049

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [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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