

Datasheet: HCA141

Description:	HUMAN ANTI HUMAN PHENYLALANINE-4-HYDROXYLASE
Specificity:	PHENYLALANINE-4-HYDROXYLASE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD12257
Isotype:	HuCAL Fab bivalent
Quantity:	0.1 mg

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			
Functional Assays			▪	

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
Product Form	A bivalent human recombinant Fab selected from the HuCAL phage display library, expressed in <i>E. coli</i> This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with myc-tag (EQKLISEEDL) and a double extended Strep-tag at the C-terminus of the antibody heavy chain. This antibody is supplied liquid.
Preparation	StrepTactin affinity chromatography
Source	E.coli
Buffer Solution	Phosphate buffered saline

Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant human phenylalanine-4-hydroxylase fusion protein with MBP.
External Database Links	<p>UniProt: P00439 Related reagents</p> <p>Entrez Gene: 5053 PAH Related reagents</p>
RRID	AB_10675606
Specificity	<p>Human anti Human Phenylalanine-4-Hydroxylase antibody, clone AbD12257 recognizes human phenylalanine-4-hydroxylase (PAH), a 51 kDa homotetrameric protein expressed abundantly in the liver.</p> <p>PAH is an essential enzyme in the metabolic pathway where it is responsible for removing excess phenylalanine by converting it to tyrosine. Defects in the PAH gene, which reduce PAH activity, lead to phenylketonuria (PKU) , a disorder resulting in mental retardation.</p>
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Acknowledgements	This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: 10094: https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf
Regulatory	For research purposes only
Technical Advice	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual .

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide STREP-TAG CLASSIC (MCA2489...) [HRP](#)

Mouse Anti Human C-MYC (MCA2200...)

[ALEXA FLUOR® 488](#), [ALEXA FLUOR® 647](#), [Alk. Phos.](#), [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[HuCAL Fab-dHLX-MSx2 NEGATIVE CONTROL \(HCA102\)](#)

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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

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