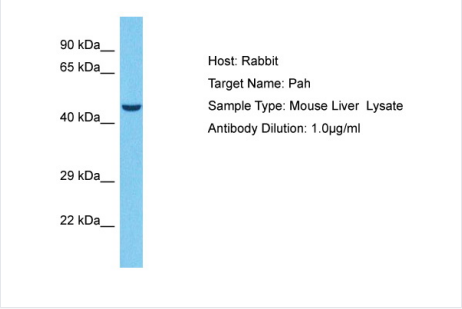
PAH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PAH, Polyclonal Antibody
Full Product Name	PAH Antibody - middle region
Product Gene Name	anti-PAH antibody
Product Synonym Gene Name	AW106920
Immunogen Sequence	Synthetic peptide located within the following region: DADHPGFKDP VYRARRKQFA DIAYNYRHGQ PIPRVEYTEE ERKTWGTVFR
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	PAH peptide (MBS3248165) is used for blocking the activity of PAH antibody (MBS3223550)
Molecular Weight	49 kDa
3D Structure	ModBase 3D Structure for P16331
Immunogen	The immunogen is a synthetic peptide directed towards the middle terminal region of mouse PAH
Product Categories/Family for anti-PAH antibody	Polyclonal; Various
Applications Tested/Suitable for anti-PAH antibody	Western Blot (WB)
Related Product Information for anti-PAH antibody	MBS3223550 is an antibody targeting PAH. Also known as PAH Antibody - middle region. Reactive in Mouse. Host: Rabbit. The function of this protein remains unknown.
Other Notes	Small volumes of anti-PAH antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PAH antibody
Host: RabbitTarget Name: PAHSample Tissue: Mouse Liver lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAH. It may not necessarily be applicable to this product.

NCBI GI #	171543886
NCBI GeneID	18478
NCBI Accession #	NP_032803.2
UniProt Primary Accession #	P16331
UniProt Related Accession #	P16331
GenBank Nucleotide #	NM_008777.3
NCBI Official Full Name	phenylalanine-4-hydroxylase
NCBI Official Synonym Full Names	phenylalanine hydroxylase
NCBI Official Symbol	Pah
NCBI Official Synonym Symbols	AW106920
UniProt Protein Name	Phenylalanine-4-hydroxylase
UniProt Synonym Protein Names	Phe-4-monooxygenase
Protein Family	Phenylalanine-4-hydroxylase
UniProt Gene Name	Pah
UniProt Synonym Gene Names	PAH
NCBI Protein Information	phenylalanine-4-hydroxylase
Research Articles on PAH	**1.** We demonstrate that kinetically instable and aggregation-prone variant Pah proteins trap BH4, shifting the pool of free BH4 towards bound BH4. Interference of PAH protein misfolding with metabolite-based control of l-phenylalanine turnover suggests a mechanistic link between perturbation of protein homeostasis and disturbed regulation of metabolic pathways.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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