

PAH Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4918c

Specification

PAH Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P00439
Other Accession	P04176 , P16331 , Q2KIH7
Reactivity	Human, Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51862
Antigen Region	132-161

PAH Antibody (Center) - Additional Information

Gene ID 5053

Other Names

Phenylalanine-4-hydroxylase, PAH, Phe-4-monooxygenase, PAH

Target/Specificity

This PAH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 132-161 amino acids from the Central region of human PAH.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PAH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PAH Antibody (Center) - Protein Information

Name PAH

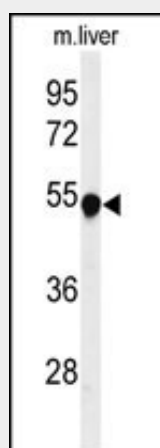
Function Catalyzes the hydroxylation of L-phenylalanine to L-tyrosine.

PAH Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PAH Antibody (Center) - Images



Western blot analysis of PAH Antibody (Center) (Cat. #AP4918c) in mouse liver tissue lysates (35ug/lane). PAH (arrow) was detected using the purified Pab.

PAH Antibody (Center) - Background

PAH encodes the enzyme phenylalanine hydroxylase that is the rate-limiting step in phenylalanine catabolism. Deficiency of this enzyme activity results in the autosomal recessive disorder phenylketonuria.

PAH Antibody (Center) - References

Bonyadi, M., et al. Genet Test Mol Biomarkers 14(2):233-235(2010)
Dupuis, J., et al. Nat. Genet. 42(2):105-116(2010)
Santos, L.L., et al. Genet. Mol. Res. 9(1):1-8(2010)