10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PAH Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4918c

Product Information

Application	WB, E
Primary Accession	P00439
Other Accession	P04176, P16331, Q2KIH7
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24519
Calculated MW	51862
Antigen Region	132-161

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.

Protein Information

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

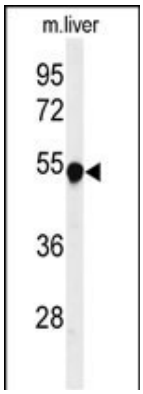
Background

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.

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)

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.