

**PAH Antibody (Center)**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AW5074**

**Specification**

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**PAH Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P00439</a>
Other Accession	<a href="#">P04176</a> , <a href="#">P16331</a> , <a href="#">Q2KIH7</a>
Reactivity	Human, Mouse, Rat
Predicted	Bovine
Host	Mouse
Clonality	Monoclonal
Calculated MW	H=52;M=52;Rat=52 KDa
Isotype	IgG1, $\kappa$
Antigen Source	HUMAN

**PAH Antibody (Center) - Additional Information**

**Gene ID** 5053

**Antigen Region**  
127-161

**Other Names**  
Phenylalanine-4-hydroxylase, PAH, Phe-4-monooxygenase, PAH

**Dilution**  
WB~~1:1000  
IHC-P~~1:25

**Target/Specificity**  
This PAH antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 127-161 amino acids from the Central region of human PAH.

**Format**  
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**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**

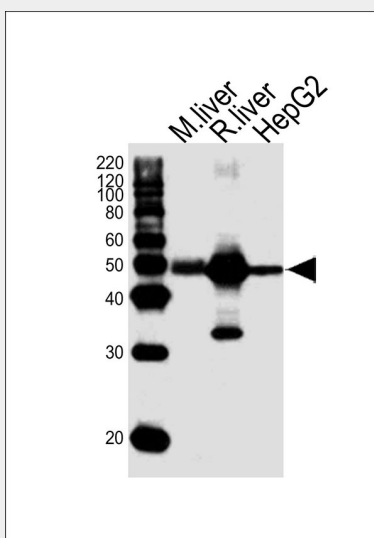
Catalyzes the hydroxylation of L-phenylalanine to L-tyrosine.

**PAH Antibody (Center) - Protocols**

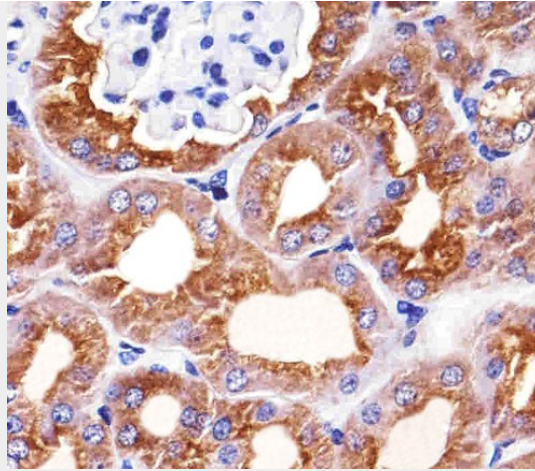
Provided below are standard protocols that you may find useful for product applications.

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

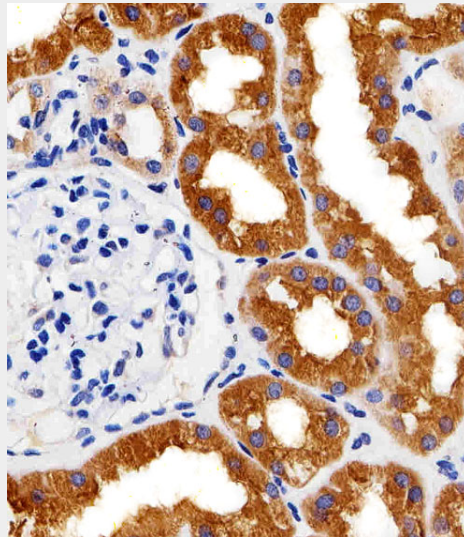
**PAH Antibody (Center) - Images**



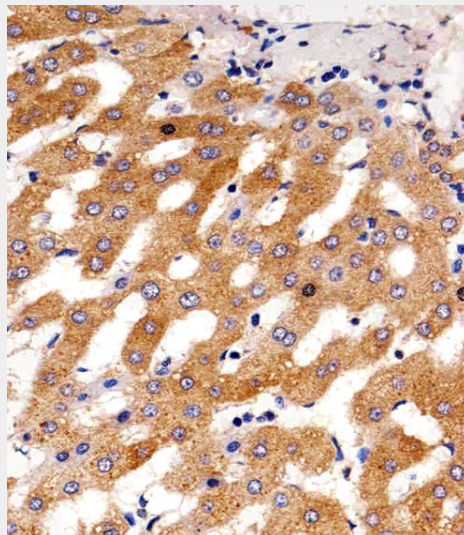
Western blot analysis of lysates from mouse liver, rat liver tissue, HepG2 cell line (from left to right), using PAH Antibody (Center) (Cat. #AW5074). AW5074 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



Immunohistochemical analysis of paraffin-embedded M. kidney section using PAH Antibody (Center)(Cat#AW5074). AW5074 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H. kidney section using PAH Antibody (Center)(Cat#AW5074). AW5074 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H. liver section using PAH Antibody (Center)(Cat#AW5074). AW5074 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

#### **PAH Antibody (Center) - References**

- Kwok S.C.M., et al. *Biochemistry* 24:556-561(1985).  
Scriver C.R., et al. Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases.  
Cotton R.G., et al. *Biochem. J.* 255:193-196(1988).  
Miranda F.F., et al. *J. Biol. Chem.* 277:40937-40943(2002).  
Siltberg-Liberles J., et al. *Gene* 427:86-92(2008).