

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

**Specification**

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

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Application       | IHC-P, WB,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**  
IHC-P~~1:25  
WB~~1:1000

**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**

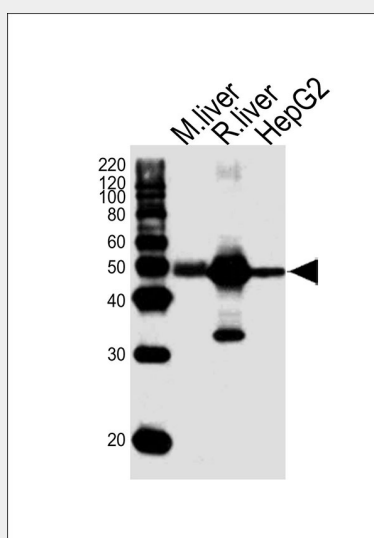
Catalyzes the hydroxylation of L-phenylalanine to L-tyrosine.

**PAH Antibody (Center) - Protocols**

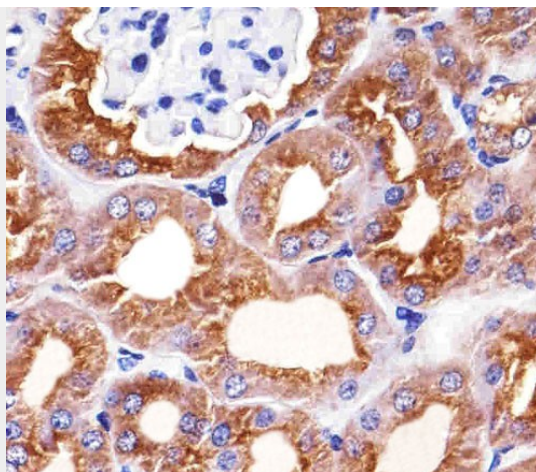
Provided below are standard protocols that you may find useful for product applications.

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

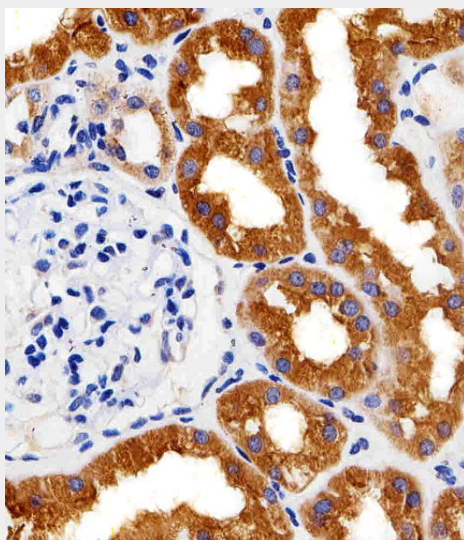
**PAH Antibody (Center) - Images**



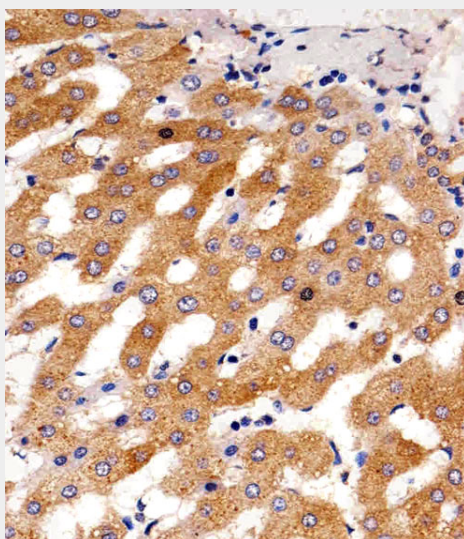
Western blot analysis of lysates from mouse liver, rat liver tissue, HepG2 cell line (from left to right), using PAH Antibody (Center) (Cat. #AW5074). AW5074 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per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