

**PAH Antibody (Center)**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8419b**

### Specification

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

|                   |  |
|-------------------|--|
| Application       | <b>WB, IHC-P,E</b>   |
| Primary Accession | <a href="#">P00439</a>   |
| Other Accession   | <a href="#">P04176</a> , <a href="#">P16331</a> , <a href="#">Q2KIH7</a> |
| Reactivity        | <b>Human, Mouse, Rat</b>   |
| Predicted         | <b>Bovine</b>  |
| Host              | <b>Mouse</b>   |
| Clonality         | <b>Monoclonal</b>  |
| Isotype           | <b>IgG1,<math>\kappa</math></b>  |

#### 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 a mouse immunized with a KLH conjugated synthetic peptide between 127-161 amino acids from the Central region of human PAH.

#### Dilution

WB~~1:1000

IHC-P~~1:25

#### 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

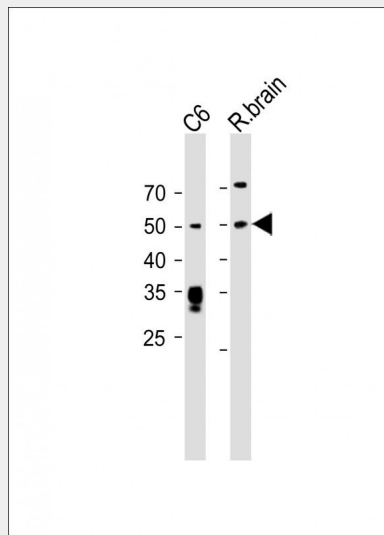
**Function** Catalyzes the hydroxylation of L-phenylalanine to L-tyrosine.

## PAH Antibody (Center) - Protocols

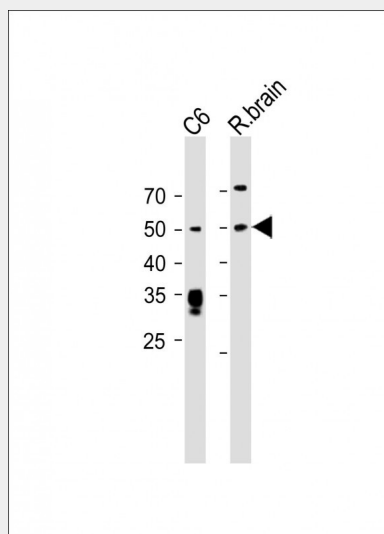
Provided below are standard protocols that you may find useful for product applications.

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

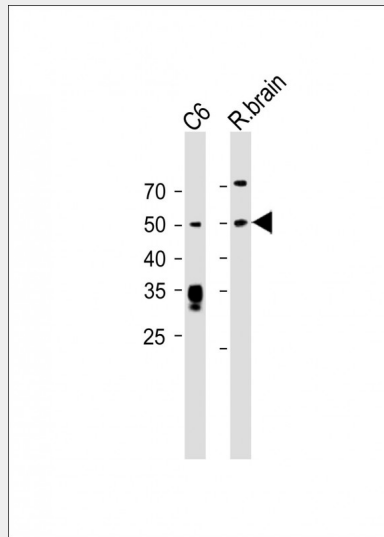
## PAH Antibody (Center) - Images



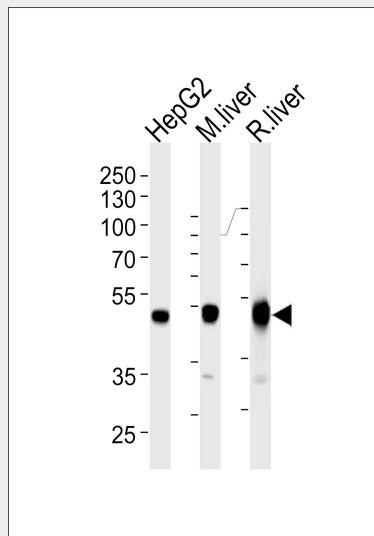
All lanes: Anti-PAH Antibody (Center) at 1:1000 dilution Lane 1: C6 whole cell lysate Lane 2: Rat brain lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1614) at 1/8000 dilution. Observed band size: 52 KDa Blocking/Dilution buffer: 5% NFDN/TBST.



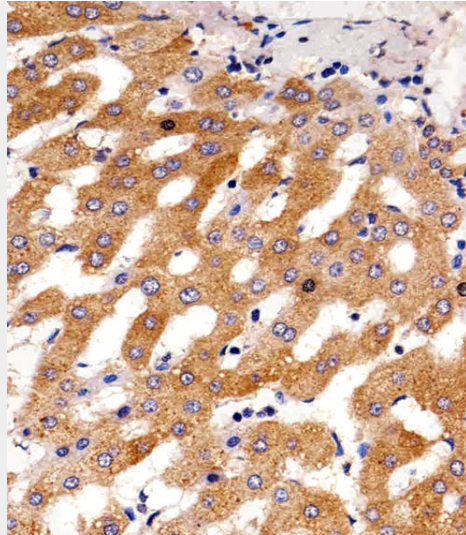
All lanes: Anti-PAH Antibody (Center) at 1:1000 dilution Lane 1: C6 whole cell lysate Lane 2: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 52 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



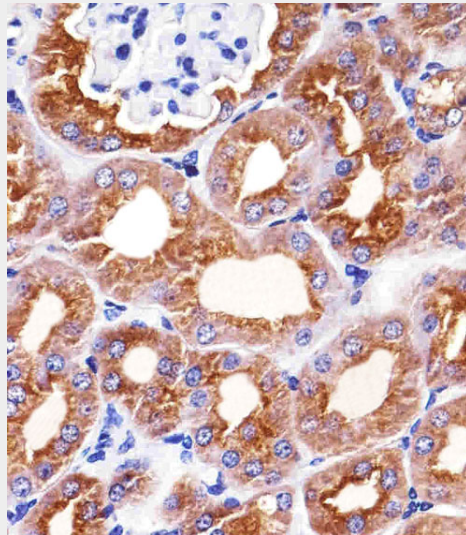
All lanes: Anti-PAH Antibody (Center) at 1:1000 dilution Lane 1: C6 whole cell lysate Lane 2: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 52 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



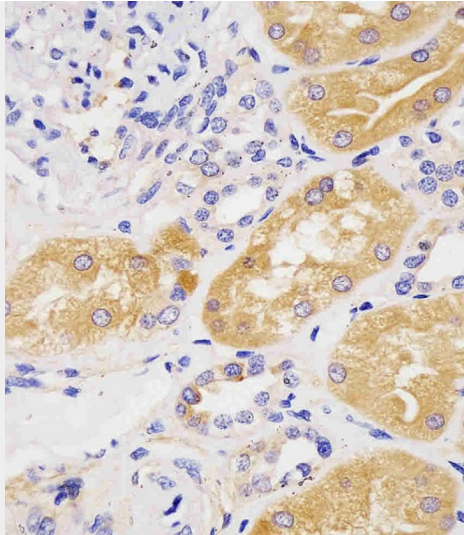
Western blot analysis of lysates from HepG2 cell line and mouse liver rat liver tissue lysates (from left to right) using PAH Antibody (Center)(Cat. #AM8419b). AM8419b was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35µg per lane.



Immunohistochemical analysis of paraffin-embedded H. liver section using PAH Antibody (Center)(Cat#AM8419b). AM8419b 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 M. kidney section using PAH Antibody (Center)(Cat#AM8419b). AM8419b 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.



AM8419b staining PAH in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

#### **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).

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

- [Integrated Proteomics and Metabolomics Reveal the Mechanism of Nephrotoxicity Induced by Triptolide](#)