10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

PAH Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P00439
Other Accession	P04176, P16331, Q2KIH7
Reactivity	**Human, Mouse, Rat**
Predicted	**Bovine**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,κ**

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
E~~Use at an assay dependent concentration.

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.

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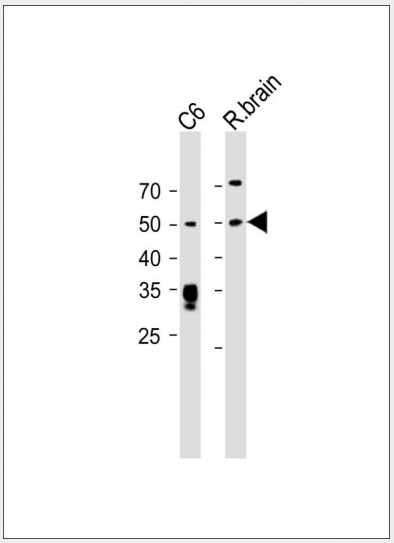
PAH Antibody (Center) - Protocols

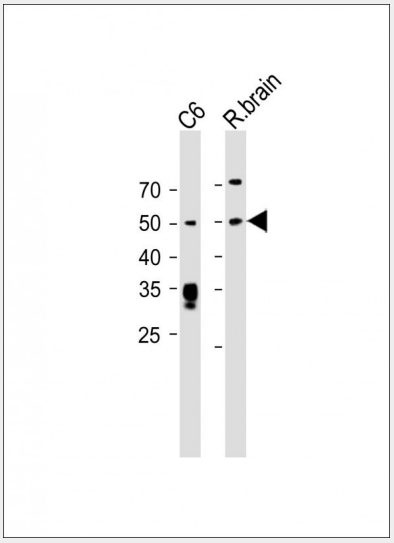
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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 µg 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% NFDM/TBST.



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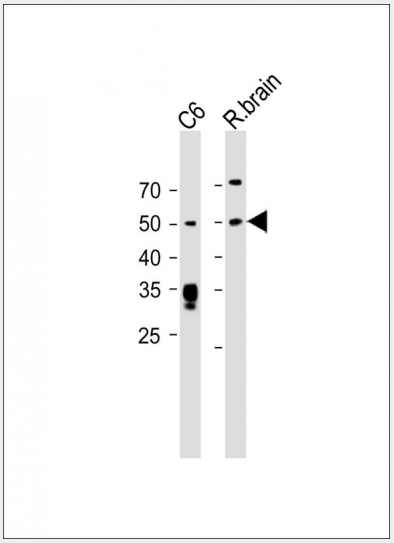
All lanes: Anti-PAH Antibody (Center) at 1:1000 dilution Lane 1: C6 whole cell lysate Lane 2: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 52 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



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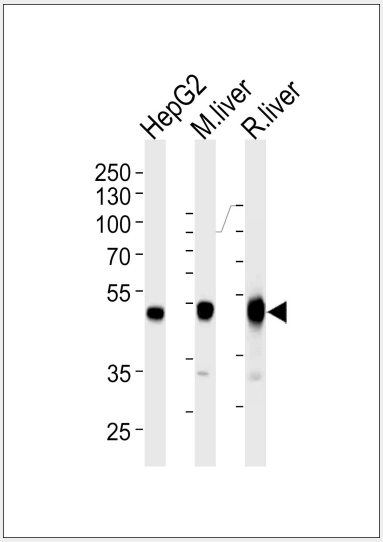

Western blot analysis of lysates from HepG2 cell line and mouse liver rat liver tissue lysates (from left to right) using PAH Antibody (Center)(Cat. #AM8419b). AM8419b was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at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

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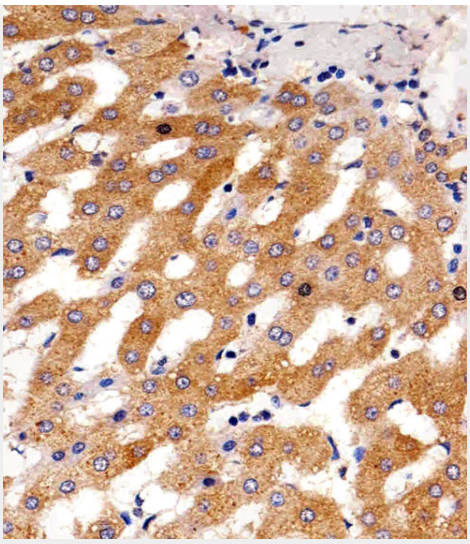
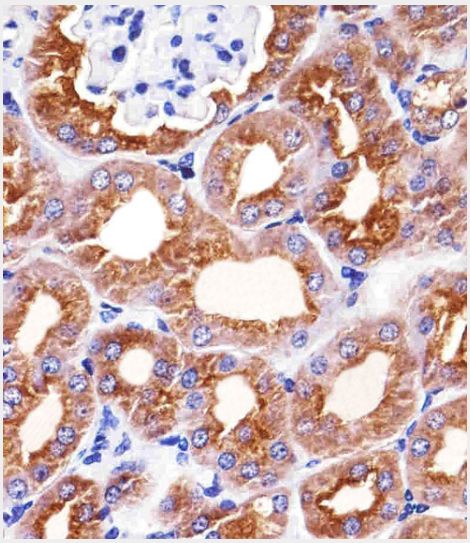


Immunohistochemical analysis of paraffin-embedded H. liver section using PAH Antibody (Center)(Cat#AM8419b). AM8419b was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



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.

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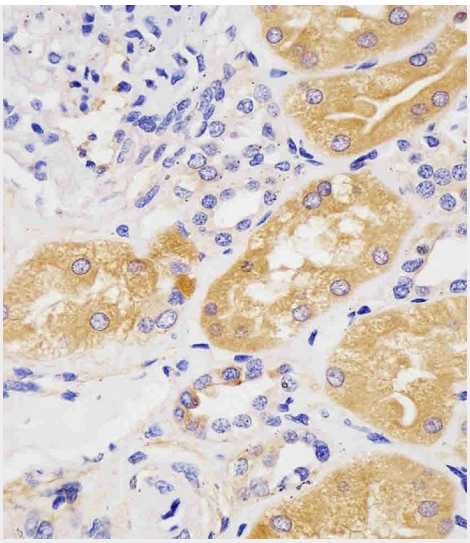

AM8419b staining PAH in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours 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