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

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

Specification

PAH Antibody (Center) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	P00439
Other Accession	P04176, P16331, Q2KIH7
Reactivity	**Human, Mouse, Rat**
Predicted	**Bovine**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**H=52;M=52;Rat=52 KDa**
Isotype	**IgG1,κ**
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

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Name PAH

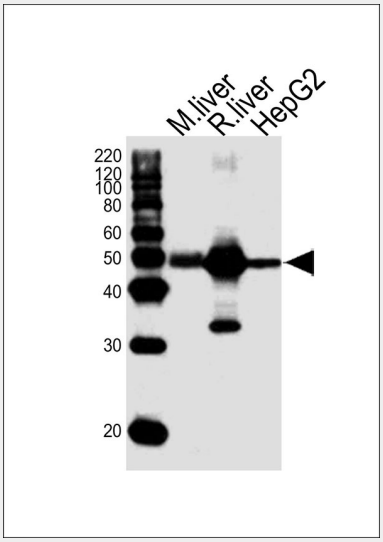
Function
Catalyzes the hydroxylation of L-phenylalanine to L-tyrosine.

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 Cytomety
- 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.

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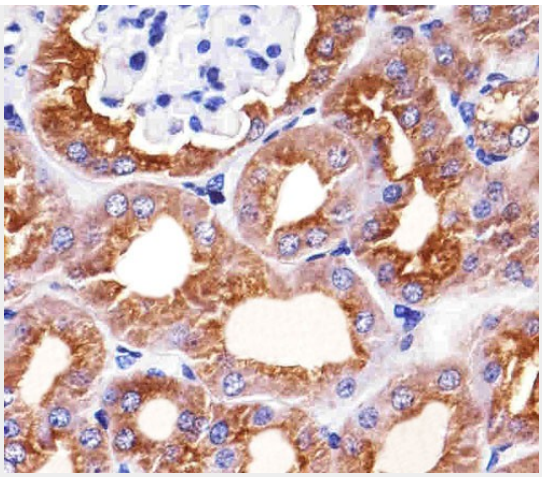
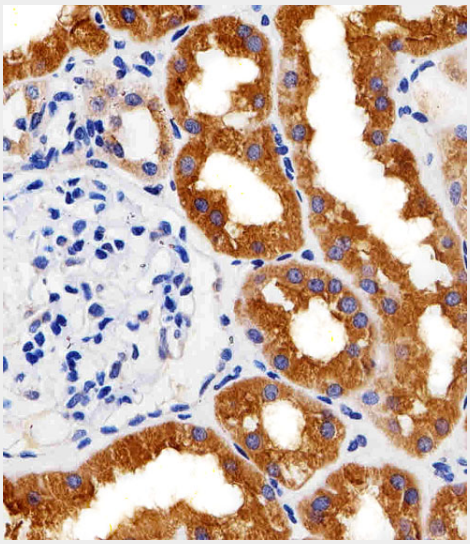
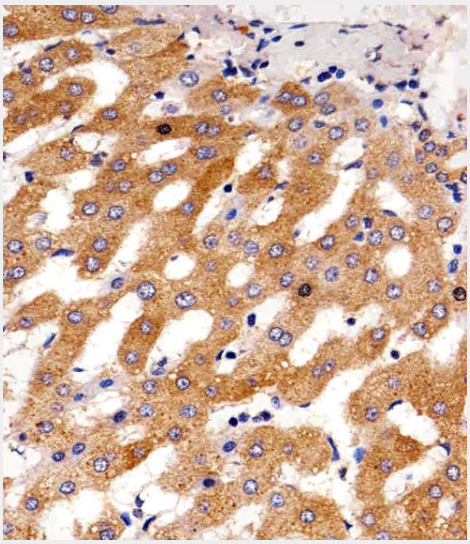


Immunohistochemical analysis of paraffin-embedded M. kidney section using PAH Antibody (Center)(Cat#AW5074). AW5074 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



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.



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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).