

PAH Rabbit mAb

Catalog NO.: A20949 **Recombinant**

Basic Information

Observed MW

52kDa

Calculated MW

52kDa

Category

Monoclonal Antibodies

Applications

WB, IF/ICC, IF-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Clone number

ARC2936

Background

This gene encodes a member of the bipterin-dependent aromatic amino acid hydroxylase protein family. The encoded phenylalanine hydroxylase enzyme hydroxylates phenylalanine to tyrosine and is the rate-limiting step in phenylalanine catabolism. Deficiency of this enzyme activity results in the autosomal recessive disorder phenylketonuria.

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:100 - 1:200

IF-P 1:20 - 1:100

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

5053

Swiss Prot

P00439

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

PH; PKU; PKU1; PAH

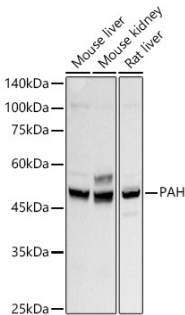
Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Western blot analysis of various lysates using PAH Rabbit mAb (A20949) at 1:500 dilution.

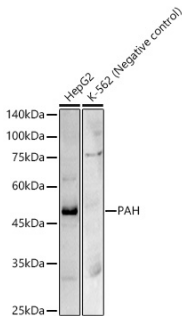
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Western blot analysis of various lysates using PAH Rabbit mAb (A20949) at 1:500 dilution.

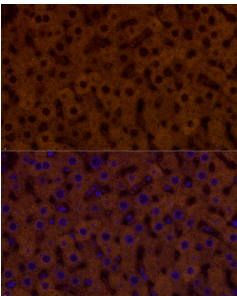
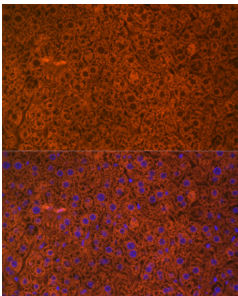
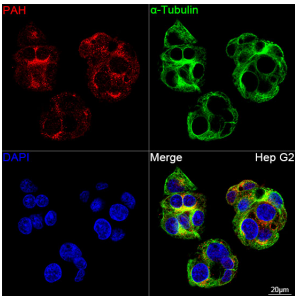
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Confocal imaging of Hep G2 cells using PAH Rabbit mAb (A20949, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

Immunofluorescence analysis of paraffin-embedded mouse liver using PAH Rabbit mAb (A20949) at dilution of 1:20 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of paraffin-embedded rat liver using PAH Rabbit mAb (A20949) at dilution of 1:20 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.