

For Research Use Only

# PAH Recombinant antibody

Catalog Number: 86231-2-RR



## Basic Information

Catalog Number:

86231-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9541

GenBank Accession Number:

BC026251

GeneID (NCBI):

5053

UNIPROT ID:

P00439

Full Name:

phenylalanine hydroxylase

Calculated MW:

452 aa, 52 kDa

Observed MW:

52 kDa

Purification Method:

Protein A purification

CloneNo.:

251007A9

Recommended Dilutions:

WB: 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse kidney tissue, HepG2 cells, mouse liver tissue, rat liver tissue

## Background Information

PAH, also known as PH, belongs to the aromatic amino acid hydroxylase (AAAH) enzyme family. PAH catalyzes the conversion of L-phenylalanine (L-Phe) to L-tyrosine (L-Tyr) by para-hydroxylation of the aromatic side chain. PAH is primarily present in the liver, where removal of excess L-Phe prevents the neurotoxic effect of hyperphenylalaninemia (HPA). The calculated molecular weight of PAH is 52 kDa (PMID: 23457044).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

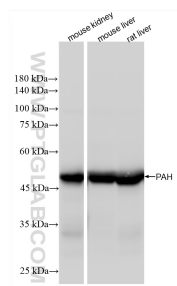
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86231-2-RR (PAH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.