10320 Camino Santa Fe, Suite G
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Anti-PAH Picoband Antibody

Catalog # ABO12883

Specification

Anti-PAH Picoband Antibody - Product Information

Application	**IHC**
Primary Accession	P00439
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Phenylalanine-4-hydroxylase(PAH) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-PAH Picoband Antibody - Additional Information

Gene ID 5053

Other Names
Phenylalanine-4-hydroxylase, PAH, 1.14.16.1, Phe-4-monooxygenase, PAH

Calculated MW
51862 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
 Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat,

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E. coli-derived human PAH recombinant protein (Position: R71-H208). Human PAH shares 89.1% and 88.4% amino acid (aa) sequence identity with mouse and rat PAH, respectively.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time. Avoid repeated freezing and**

thawing.

Anti-PAH Picoband Antibody - Protein Information

Name PAH

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

Anti-PAH Picoband Antibody - 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

Anti-PAH Picoband Antibody - Images

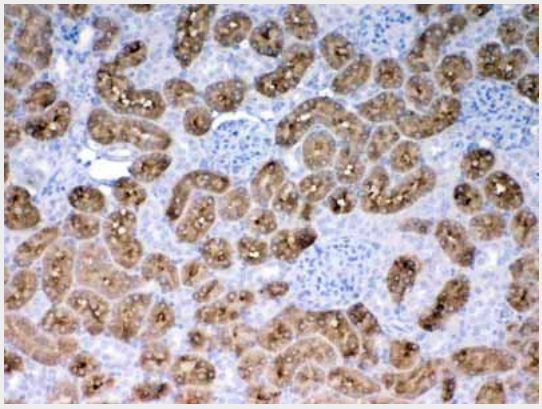
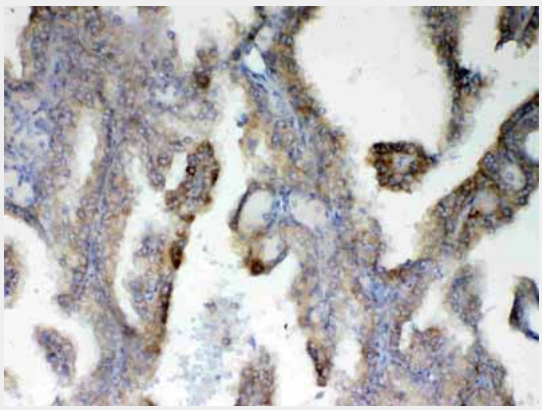


Figure 4. IHC analysis of PAH using anti-PAH antibody (ABO12883).



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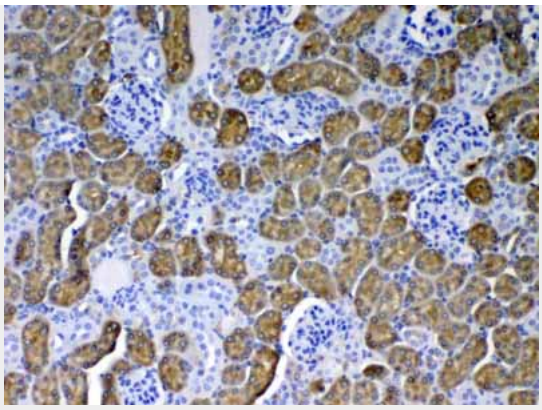

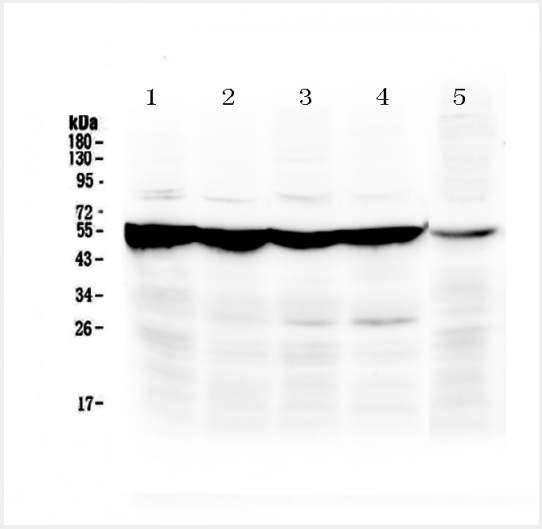

Anti-PAH Picoband Antibody - Background

Phenylalanine hydroxylase (PAH) is an enzyme that catalyzes the hydroxylation of the aromatic side-chain of phenylalanine to generate tyrosine. It is one of three members of the biopterin-dependent aromatic amino acid hydroxylases, a class of monooxygenase that uses tetrahydrobiopterin (BH4, a pteridine cofactor) and a non-heme iron for catalysis. Deficiency of this enzyme activity results in the autosomal recessive disorder phenylketonuria.