

Rabbit PAH Polyclonal Antibody | anti-PAH antibody

PAH Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326224	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

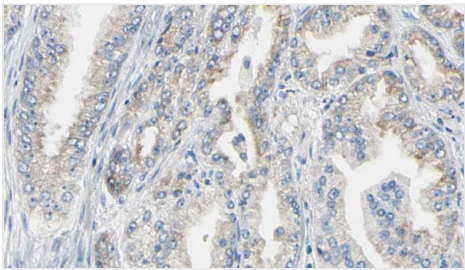
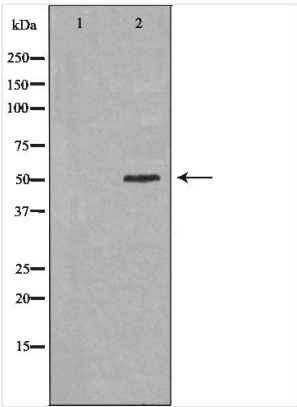
PRODUCT SYNONYMS

PAH; Polyclonal Antibody; PAH Antibody; PH; PH4H_HUMAN; Phe 4 monooxygenase; Phe-4-monooxygenase; Phenylalanine 4 hydroxylase; Phenylalanine hydroxylase; Phenylalanine-4-hydroxylase; PKU; PKU1; anti-PAH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PAH antibody detects endogenous levels of total PAH
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	452
Applicable Applications for anti-PAH antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PAH
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (88%), Horse (100%), Sheep (88%), Rabbit (100%), Dog (100%), Chicken (88%), Xenopus (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326224 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Mouse liver tissue lysates, using PAH Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PAH antibody

Description: PAH encodes the enzyme phenylalanine hydroxylase that is the rate-limiting step in phenylalanine catabolism. Deficiency of this enzyme activity results in the autosomal recessive disorder phenylketonuria.
Function: L-phenylalanine + tetrahydrobiopterin + O₂ = L-tyrosine + 4a-hydroxytetrahydrobiopterin.
Subunit Structure: Homodimer and homotetramer.
Post-translational Modifications: Phosphorylation at Ser-16 increases basal activity and facilitates activation by the substrate phenylalanine.
Similarity: Belongs to the biopterin-dependent aromatic amino acid hydroxylase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557819
NCBI GeneID	5053
NCBI Accession #	NP_000268.1
NCBI GenBank Nucleotide #	NM_000277.2
UniProt Accession #	P00439; Q16717; Q8TC14
Molecular Weight	Observed: 52 kDa Predicted: 52 kDa
NCBI Official Full Name	phenylalanine-4-hydroxylase
NCBI Official Synonym Full Names	phenylalanine hydroxylase
NCBI Official Symbol	PAH
NCBI Official Synonym Symbols	PH; PKU; PKU1
NCBI Protein Information	phenylalanine-4-hydroxylase
UniProt Protein Name	Phenylalanine-4-hydroxylase
UniProt Gene Name	PAH
UniProt Synonym Gene Names	PAH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.