



# Rabbit Anti-Human PAH Polyclonal Antibody (CABT-L2233)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Phenylalanine Hydroxylase (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against PAH. It has been selected for its ability to recognize PAH in immunohistochemical staining and western blotting.
<b>Target</b>	PAH
<b>Immunogen</b>	Recombinant fragment corresponding to human PAH (Met1~Gln226)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Pig
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	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. [provided by RefSeq, Jul 2008]
<b>Keywords</b>	PKU;PKU1;Phe-4-monooxygenase

## GENE INFORMATION

<b>Gene Name</b>	PAH phenylalanine hydroxylase [ Homo sapiens (human) ]
<b>Official Symbol</b>	PAH
<b>Synonyms</b>	PAH; phenylalanine hydroxylase; PH; PKU; PKU1; phenylalanine-4-hydroxylase; phe-4-monooxygenase; phenylalanine 4-monooxygenase;
<b>Entrez Gene ID</b>	<a href="#">5053</a>
<b>Protein Refseq</b>	NP_000268
<b>UniProt ID</b>	<a href="#">A0A024RBG4</a>
<b>Chromosome Location</b>	12q22-q24.2
<b>Pathway</b>	Abnormal metabolism in phenylketonuria; Biogenic Amine Synthesis; Biosynthesis of amino acids; Disease; Metabolic pathways; Metabolism; Metabolism of amino acids and derivatives; Phenylalanine and tyrosine catabolism;
<b>Function</b>	amino acid binding; iron ion binding; phenylalanine 4-monooxygenase activity;