



# Anti-HAO1 (internal region) polyclonal antibody (CPBT-34845RH)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Human HAO1.
<b>Antigen Description</b>	This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in encoded protein amino acid sequence, tissue expression and substrate preference. Subcellular location of the encoded protein is the peroxisome. Specifically, this gene is expressed primarily in liver and pancreas and the encoded protein is most active on glycolate, a two-carbon substrate. The protein is also active on 2-hydroxy fatty acids. The transcript detected at high levels in pancreas may represent an alternatively spliced form or the use of a multiple near-consensus upstream polyadenylation site.
<b>Specificity</b>	Liver.
<b>Immunogen</b>	KLH conjugated synthetic peptide selected from the Center region of Human HAO1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA
<b>Sequence Similarities</b>	Belongs to the FMN-dependent alpha-hydroxy acid dehydrogenase family. Contains 1 FMN hydroxy acid dehydrogenase domain.
<b>Cellular Localization</b>	Peroxisome.

<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Preservative: 0.09% Sodium Azide Constituents: PBS
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">HAO1 hydroxyacid oxidase (glycolate oxidase) 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	HAO1
<b>Synonyms</b>	HAO1; hydroxyacid oxidase (glycolate oxidase) 1; GOX1; hydroxyacid oxidase 1; GOX; (S) 2 hydroxy acid oxidase; Glycolate oxidase; GOX; GOX1; HAO1; HAOX1; HAOX1_HUMAN; Hydroxyacid oxidase 1; MGC142225; MGC142227; OTTHUMP00000030231; glycolate oxidase; OTTHUMP00000030231; (S)-2-hydroxy-acid oxidase; HAOX1;
<b>Entrez Gene ID</b>	<a href="#">54363</a>
<b>Protein Refseq</b>	<a href="#">NP_060015</a>
<b>UniProt ID</b>	<a href="#">A8K058</a>
<b>Chromosome Location</b>	20p12
<b>Pathway</b>	Glyoxylate and dicarboxylate metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, conserved biosystem; Glyoxylate metabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;
<b>Function</b>	(S)-2-hydroxy-acid oxidase activity; (S)-2-hydroxy-acid oxidase activity; FMN binding; glycolate oxidase activity; glycolate oxidase activity; glyoxylate oxidase activity; oxidoreductase activity;