

## Product datasheet for **TA344134**

### HAO1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HAO1 antibody: synthetic peptide directed towards the C terminal of human HAO1. Synthetic peptide located within the following region: GLNGILVSNHGARQLDGVPTIDVLPEIVEAVEGKVEVFLDGGVRKGTDV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41 kDa
Gene Name:	hydroxyacid oxidase 1
Database Link:	<a href="#">NP_060015</a> <a href="#">Entrez Gene 54363 Human</a> <a href="#">Q9UJM8</a>



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<b>Background:</b>	Subcellular location of HAO1 is the peroxisome. Specifically, HAO1 is expressed primarily in liver and pancreas and is most active on glycolate, a two-carbon substrate. The protein is also active on 2-hydroxy fatty acids. 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>Synonyms:</b>	GOX; GOX1; HAOX1
<b>Note:</b>	Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Yeast: 93%
<b>Protein Pathways:</b>	Glyoxylate and dicarboxylate metabolism, Metabolic pathways

**Product images:**

WB Suggested Anti-HAO1 Antibody Titration: 0.2-1 ug/ml; Positive Control: Human Liver