

## **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: GLNGILVSNHGARQLDGVPATIDVLPEIVEAVEGKVEVFLDGGVRKGTDV

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified

**Conjugation:** Unconjugated

**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: NP 060015

Entrez Gene 54363 Human

Q9UJM8



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Background:

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 2hydroxyacid 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.

Synonyms: GOX; GOX1; HAOX1

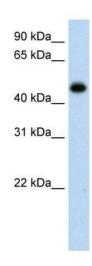
Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Yeast:

93%

**Protein Pathways:** Glyoxylate and dicarboxylate metabolism, Metabolic pathways

## **Product images:**



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