

## Product datasheet for **TA502026**

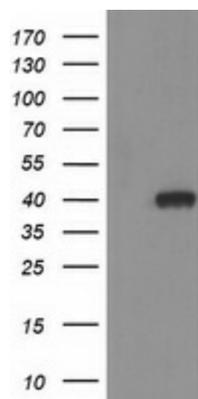
### HAO1 Mouse Monoclonal Antibody [Clone ID: OTI6B3]

#### Product data:

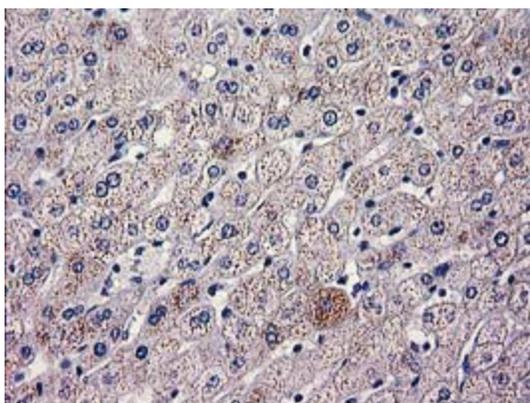
|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI6B3  |
| Applications:           | IHC, WB   |
| Recommend Dilution:     | WB 1:2000, IHC 1:150  |
| Reactivity:             | Human   |
| Host:                   | Mouse   |
| Isotype:                | IgG2b   |
| Clonality:              | Monoclonal  |
| Immunogen:              | Full length human recombinant protein of human HAO1 (NP_060015) produced in HEK293T cell.   |
| Formulation:            | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| Concentration:          | 0.77 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Predicted Protein Size: | 40.7 kDa  |
| Gene Name:              | hydroxyacid oxidase 1   |
| Database Link:          | <a href="#">NP_060015 Entrez Gene 54363 Human</a>   |
| Background:             | 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. [provided by RefSeq].<br>COMPLETENESS: full length. |
| Synonyms:               | GOX; GOX1; HAOX1  |
| Protein Pathways:       | Glyoxylate and dicarboxylate metabolism, Metabolic pathways   |



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**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HAO1 ([RC216834], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HAO1. Positive lysates [LY413692] (100ug) and [LC413692] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-HAO1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502026)