

Product datasheet for **CF501937**

HAO1 Mouse Monoclonal Antibody [Clone ID: OTI3E7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3E7
Applications:	FC, WB
Recommended Dilution:	WB: 1:500-1:2000, Flow: 1:50-1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HAO1 (NP_060015) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40.7 kDa
Gene Name:	hydroxyacid oxidase 1
Database Link:	NP_060015 Entrez Gene 15112 MouseEntrez Gene 311446 RatEntrez Gene 54363 Human Q9UJM8



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Background:

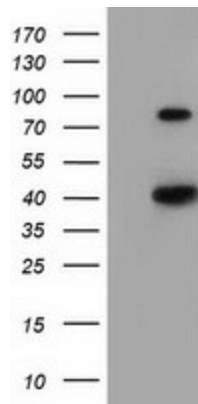
This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in encoded protein amino acid sequence, tissue expression and substrate preference. Subcellular location of the encoded protein is the peroxisome. Specifically, this gene is expressed primarily in liver and pancreas 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].
 COMPLETENESS: full length.

Synonyms:

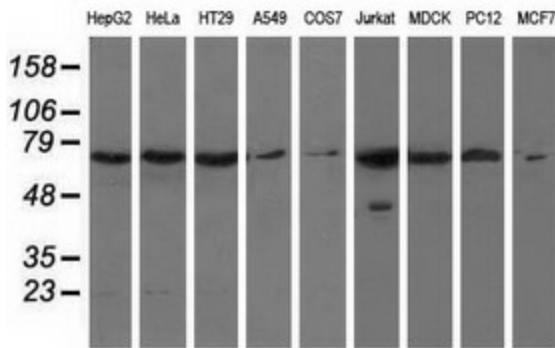
GOX; GOX1; HAOX1

Protein Pathways:

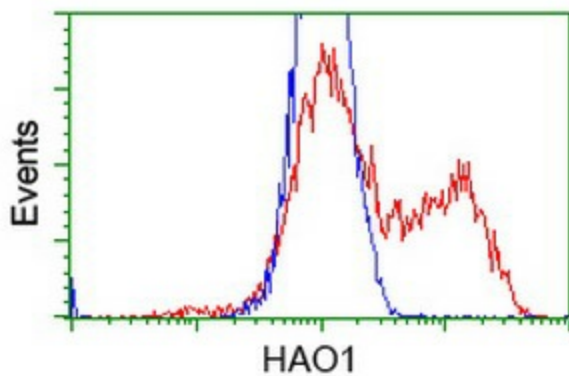
Glyoxylate and dicarboxylate metabolism, Metabolic pathways

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.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-HAO1 monoclonal antibody.



HEK293T cells transfected with either [RC216834] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-HAO1 antibody ([TA501937]), and then analyzed by flow cytometry at 1:100