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Product datasheet for UM500082CF

HAO1 Mouse Monoclonal Antibody [Clone ID: UMAB117]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB117
Applications:	10k-ChIP, IHC, WB
Recommended Dilution:	IHC 1:100~200
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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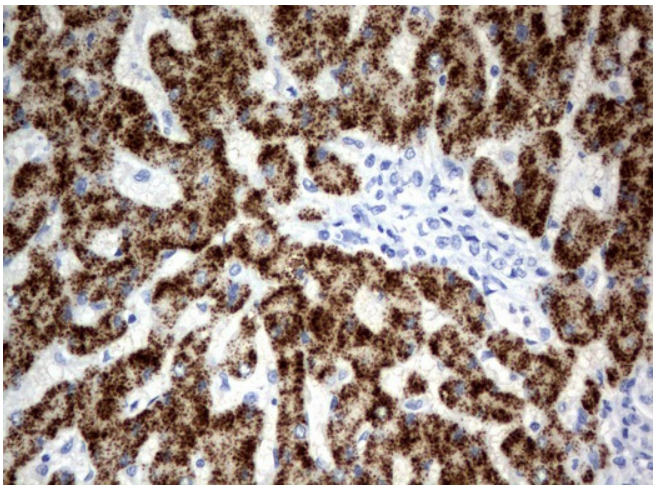
Background: This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in encoded protein amino acid sequence, tissue expression and substrate preference. Subcellular location of the encoded protein is the peroxisome. Specifically, this gene is expressed primarily in 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, Jul 2008]

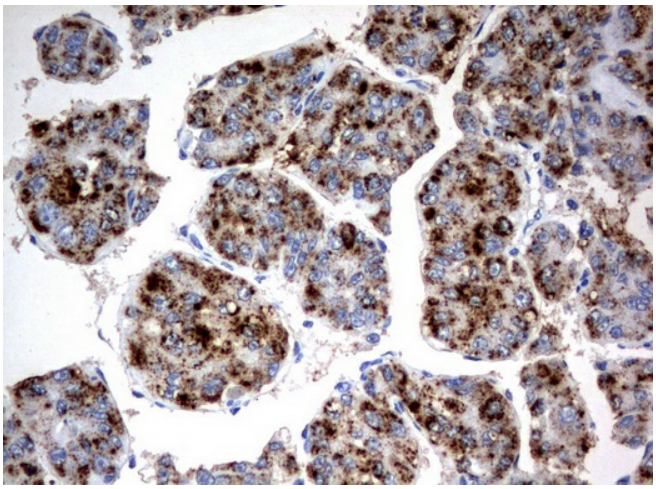
Synonyms: GOX; GOX1; HAOX1

Protein Pathways: Glyoxylate and dicarboxylate metabolism, Metabolic pathways

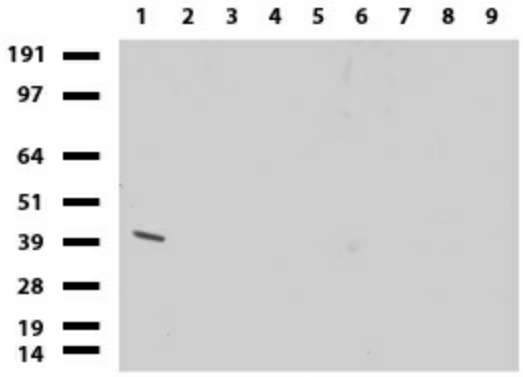
Product images:



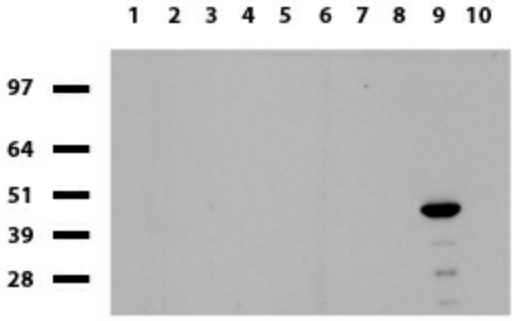
Immunohistochemical staining of paraffin-embedded Human liver tissue using anti-HAO1 mouse monoclonal antibody. ([UM500082]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



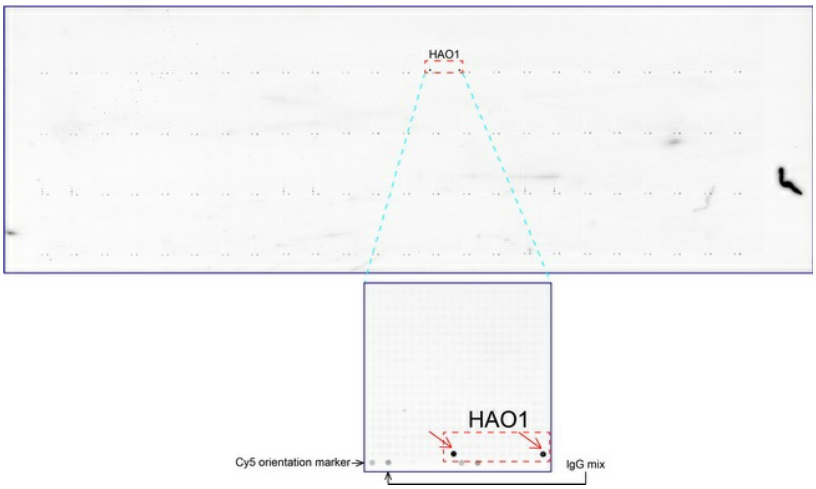
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-HAO1mouse monoclonal antibody. ([UM500082]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



Western blot of cell lysates (35ug) from 9 different cell lines (1: HepG2, 2: HeLa, 3: SV-T2, 4: A549, 5: COS7, 6: Jurkat, 7: MDCK, 8: PC-12, 9: MCF7). Diluation: 1:250



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Thyroid, 7: Colon, 8: Spleen 9: Liver, 10: Ovary). Diluation: 1:500.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-HAO1 mouse monoclonal antibody ([UM500082]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.