

HAO2 mouse monoclonal antibody (hybridoma)

Catalog # H00051179-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant HAO2.
Immunogen	HAO2 (NP_001005783.1, 1 a.a. ~ 351 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSLVCLTDFQAHAREQLSKSTRDFIEGGADDSITRDDNIAAFKRIRLRPRYL RDVSEVDTRTTIQGE EISAPICIAPTGFHCLVWPDGEMSTARAAQAAGICYTSTFASCSLEDVIAAPEGLRWFQLYVHPDL QLNKQLIQRVESLGFKALVITLDTPVCGNRRHDIRNQLRRNLTLTDLQSPKKGNAIPYFQMTPISTSL CWNDLSWFQSITRLPIILKGILTKEDAELAVKHNVQGIIVSNHGGRQLDEVLASIDALTEVVAAVKGK IEVYLDGGVRTGNDVLKALALGAKCIFLGRPILWGLACKGEHGVKEVLNILTNEFHTSMALTGCRS VAEINRNLVQFSRL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (70); Rat (73)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — HAO2

Entrez GeneID	51179
GeneBank Accession#	NM_001005783.1
Protein Accession#	NP_001005783.1
Gene Name	HAO2
Gene Alias	GIG16, HAOX2
Gene Description	hydroxyacid oxidase 2 (long chain)
Omim ID	605176
Gene Ontology	Hyperlink
Gene Summary	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 predominantly in liver and kidney and has the highest activity toward the substrate 2-hydroxypalmitate. Two alternatively spliced variants encoding the same isoform have been described. [provided by RefSeq]
Other Designations	(S)-2-hydroxy-acid oxidase OTTHUMP00000014486 OTTHUMP00000059527 glycolate oxidase growth-inhibiting protein 16 hydroxyacid oxidase 2 long-chain L-2-hydroxy acid oxidase

Pathway

- [Glyoxylate and dicarboxylate metabolism](#)
- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Urinary Bladder Neoplasms](#)