HAO1 rabbit monoclonal antibody

Catalog # H00054363-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HAO1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human HAO1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HAO1 peptide by ELISA and mammalian transfected lysate by We stern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — HAO1

Entrez GeneID	54363
GeneBank Accession#	HAO1
Gene Name	HAO1
Gene Alias	GOX, GOX1, HAOX1, MGC142225, MGC142227
Gene Description	hydroxyacid oxidase (glycolate oxidase) 1
Omim ID	605023
Gene Ontology	Hyperlink
Gene Summary	This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in enco ded protein amino acid sequence, tissue expression and substrate preference. Subcellular locati on 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 pr otein is also active on 2-hydroxy fatty acids. The transcript detected at high levels in pancreas ma y represent an alternatively spliced form or the use of a multiple near-consensus upstream polyad enylation site. [provided by RefSeq
Other Designations	(S)-2-hydroxy-acid oxidase|OTTHUMP00000030231|glycolate oxidase|hydroxyacid oxidase 1

Pathway

- Glyoxylate and dicarboxylate metabolism
- Metabolic pathways