

HAO1 Monoclonal Antibody

catalog number: E-AB-22108

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

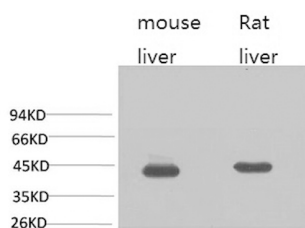
Reactivity	Mouse;Rat
Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG
Clone	3B2
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications

Recommended Dilution

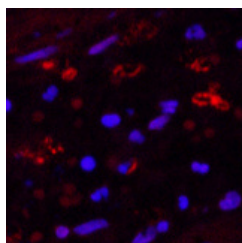
WB	1:500-1:2000
IHC	1:50-1:300
IF	1:100-1:300

Data

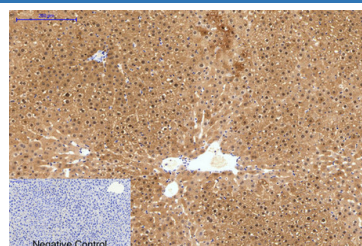


Western Blot analysis of 1) Mouse liver, 2) Rat liver with HAO1 Monoclonal Antibody.

Observed-MW:41 kDa



Immunofluorescence analysis of Human appendix tissue using HAO1 Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Human liver tissue using HAO1 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

For Research Use Only

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.

HAO1 (Hydroxyacid Oxidase 1) is a Protein Coding gene. Diseases associated with HAO1 include Lactoceles and Primary Hyperoxaluria. Among its related pathways are Glyoxylate metabolism and glycine degradation and Peroxisome. GO annotations related to this gene include receptor binding and FMN binding. An important paralog of this gene is HAO2.