HAO1 Monoclonal Antibody

Catalog Number:E-AB-22108

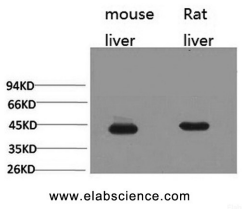
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

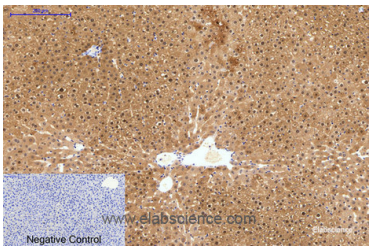
Reactivity	Mouse,Rat
Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG
Clone	Clone:3B2
Purification	Protein A purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:300
IF	1:100-1:300

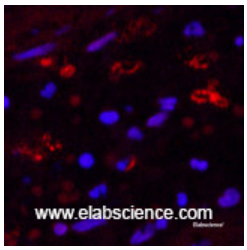
Data



Western Blot analysis of 1) Mouse liver, 2) Rat liver with HAO1 Monoclonal Antibody.
Observed Mw:41kDa



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



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

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in encoded protein amino acid

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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 Lactocele 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.

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