ARG57344
anti-HAO1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HAO1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HAO1
Species	Human
Immunogen	Recombinant Protein of Human HAO1.
Conjugation	Un-conjugated
Alternate Names	EC 1.1.3.15; Glycolate oxidase; HAOX1; GOX; GOX1; Hydroxyacid oxidase 1

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:100
IHC-P	1:50 - 1:100
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Mouse liver

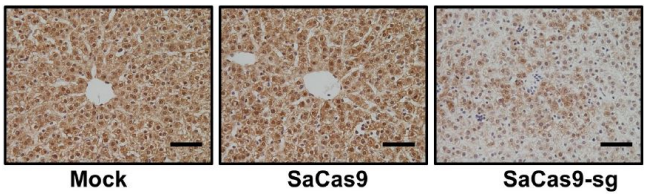
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HAO1
Gene Full Name	hydroxyacid oxidase (glycolate oxidase) 1
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]
Function	Has 2-hydroxyacid oxidase activity. Most active on the 2-carbon substrate glycolate, but is also active on 2-hydroxy fatty acids, with high activity towards 2-hydroxy palmitate and 2-hydroxy octanoate. [UniProt]
Calculated Mw	41 kDa

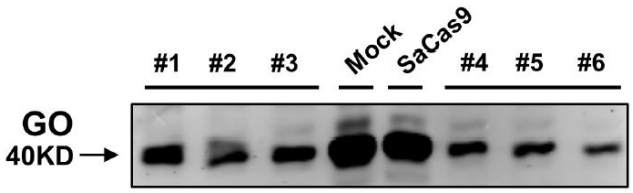
Images



ARG57344 anti-HAO1 antibody IHC-P image

Immunohistochemistry: Rat liver stained with ARG57344 anti-HAO1 antibody.

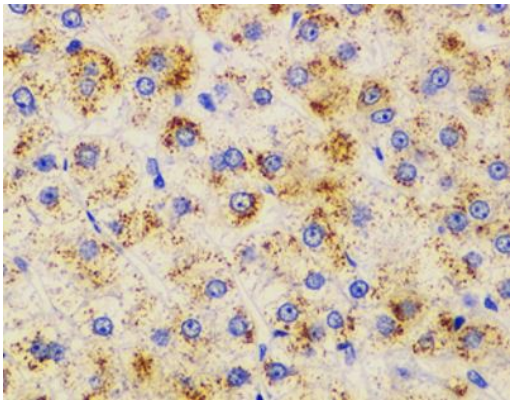
From Zheng R et al. Kidney Int- (2020), doi: 10.1016/j.kint.2020.04.049, Fig. 3. H.



ARG57344 anti-HAO1 antibody WB image

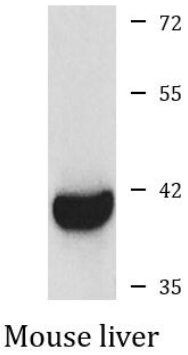
Western blot: Rat liver stained with ARG57344 anti-HAO1 antibody.

From Zheng R et al. Kidney Int- (2020), doi: 10.1016/j.kint.2020.04.049, Fig. 3. G.



ARG57344 anti-HAO1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver cancer stained with ARG57344 anti-HAO1 antibody at 1:200 dilution.



ARG57344 anti-HAO1 antibody WB image

Western blot: Mouse liver lysate stained with ARG57344 anti-HAO1 antibody.