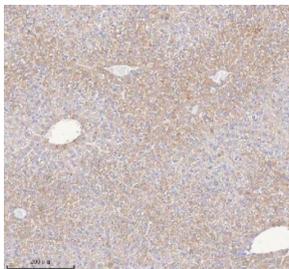


Hydroxyacid oxidase 1 Antibody / HAO1 (RQ8645)

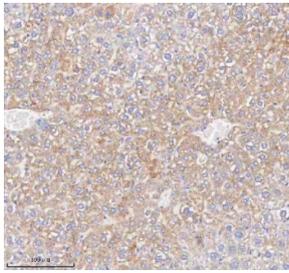
Catalog No.	Formulation	Size
RQ8645	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

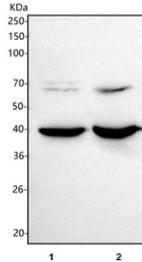
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UJM8
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This Hydroxyacid oxidase 1 antibody is available for research use only.



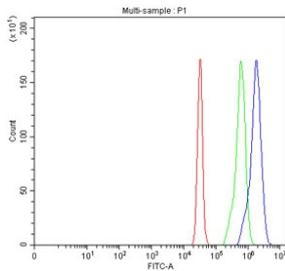
IHC staining of FFPE mouse liver tissue with Hydroxyacid oxidase 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse liver tissue with Hydroxyacid oxidase 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat liver and 2) mouse liver tissue lysate with Hydroxyacid oxidase 1 antibody. Predicted molecular weight ~41 kDa.



Flow cytometry testing of fixed and permeabilized human SiHa cells with Hydroxyacid oxidase 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Hydroxyacid oxidase 1 antibody.

Description

Hydroxyacid oxidase (glycolate oxidase) 1 is a protein that in humans is encoded by the HAO1 gene. 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.

Application Notes

Optimal dilution of the Hydroxyacid oxidase 1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids K48-I370) was used as the immunogen for the Hydroxyacid oxidase 1 antibody.

Storage

After reconstitution, the Hydroxyacid oxidase 1 Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

