

HAO1 Monoclonal Antibody(Mix)

Description

Product type	Primary Antibody
Code	BT-MCA0044
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of HAO1
Mol wt	N/A
Species reactivity	Mouse,Rat
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC
Concentration	1 mg/ml
Full name	Hydroxyacid oxidase 1
Synonyms	Hydroxyacid oxidase 1; HAOX1; Glycolate oxidase; GOX

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

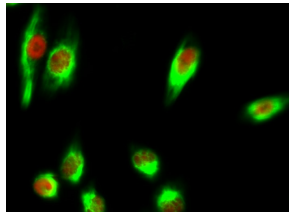
IF: 1:200

IHC: 1:50-300

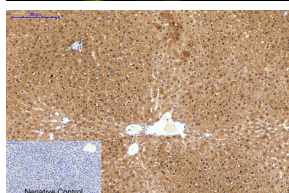
WB: 1:1000-2000

Not yet tested in other applications.

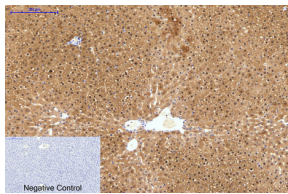
Images



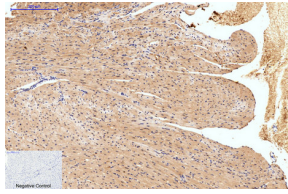
Immunofluorescence analysis of HeLa cell. Chk2 (phospho Thr68) Polyclonal Antibody(red) was diluted at 1:200(4°C overnight). HAO1 Monoclonal antibody(Mix)(green) was diluted at 1:200(4°C overnight).



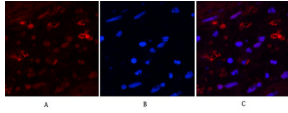
Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1.HAO1 Monoclonal antibody(Mix) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



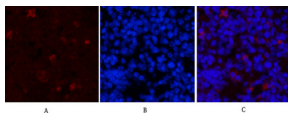
Immunohistochemical analysis of paraffin-embedded Rat-liver tissue. 1.HAO1 Monoclonal antibody(Mix) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



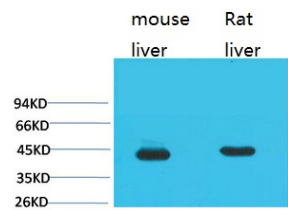
Immunohistochemical analysis of paraffin-embedded Mouse-heart tissue. 1.HAO1 Monoclonal antibody(Mix) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-appendix tissue. 1.HAO1 Monoclonal antibody(Mix)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Mouse-spleen tissue. 1.HAO1 Monoclonal antibody(Mix)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) Mouse Liver Tissue, 2) Rat Liver Tissue using HAO1 Monoclonal antibody.

Storage

-20°C for one year

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