

HAO1 (Mix) Mouse mAb

CatalogNo: YM3378 **Orthogonal Validated** 

Key Features

Host Species

- Mouse

Reactivity

- Mouse,Rat

Applications

- WB,IHC,IF,

MW

- 41kD (Observed)

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Recommended Dilution Ratios

WB 1:1000-2000**IF 1:200****IHC 1:50-300**

Basic Information

Clonality Monoclonal**Clone Number** 7G12

Immunogen Information

Immunogen Recombinant Protein of HAO1,AA range 35-85**Specificity** The antibody detects endogenous HAO1 protein.

Target Information

Gene name HAO1
Protein Name Hydroxyacid oxidase 1

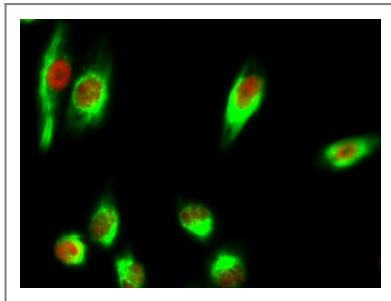
Organism	Gene ID	UniProt ID
Human	54363 ;	Q9UJM8 ;
Mouse		Q9WU19 ;

Cellular Localization Peroxisome matrix .

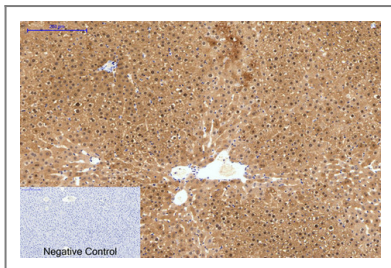
Tissue specificity Highly expressed in liver.

Function Catalytic activity:(S)-2-hydroxy acid + O(2) = 2-oxo acid + H(2)O(2).,cofactor:FMN.,Function:Has 2-hydroxyacid oxidase activity. Most active on the 2-carbon substrate glycolate, but is also active on 2-hydroxy fatty acids.,pathway:Organic acid metabolism; glycolic acid degradation; 3-phospho-D-glyceric acid from glycolic acid: step 1/4.,similarity:Belongs to the FMN-dependent alpha-hydroxy acid dehydrogenase family.,similarity:Contains 1 FMN hydroxy acid dehydrogenase domain.,tissue specificity:Liver.,

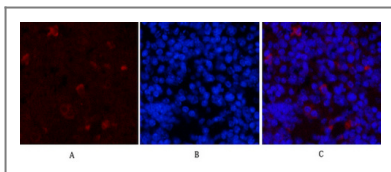
Validation Data



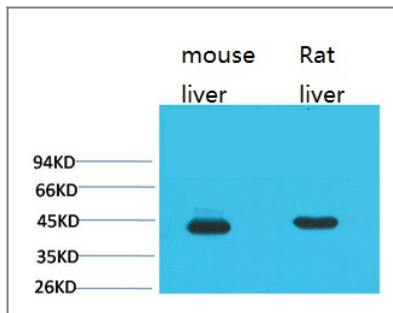
Immunofluorescence analysis of HeLa cell. 1, Rabbit Histone H3 Antibody YM8335 (red) was diluted at 1:200(4° overnight).HAO1 (Mix) Mouse mAb (green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000(room temperature, 50min).



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.



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.

Contact information

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Please scan the QR code to access additional product information:
HAO1 (Mix) Mouse mAb

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