



# HAO1 Monoclonal Antibody

Catalog No	YP-mAb-01206
Isotype	IgG
Reactivity	Mouse;Rat
Applications	WB
Gene Name	HAO1
Protein Name	Hydroxyacid oxidase 1
Immunogen	Recombinant Protein of HAO1
Specificity	The antibody detects endogenous HAO1 protein.
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Hydroxyacid oxidase 1; HAOX1; Glycolate oxidase; GOX
Observed Band	41kD
Cell Pathway	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.,
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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

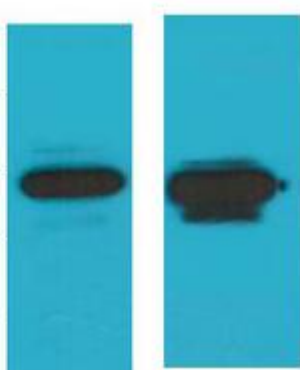
94KD

66KD

45KD

35KD

26KD



Western Blot analysis of various cells using HAO1 Monoclonal Antibody