



HAO1 Polyclonal Antibody

Catalog No	YP-Ab-01206
Isotype	IgG
Reactivity	Mouse;Rat
Applications	WB;IHC;IF
Gene Name	HAO1
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	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1:2000-5000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Glycolate oxidase;GOX;GOX1;HAO1;HAOX1;Hydroxyacid oxidase 1
Observed Band	41kD
Calculated Molecular Weight	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],

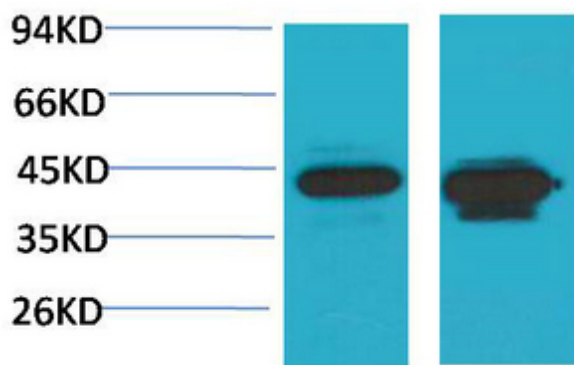
matters needing attention

Avoid repeated freezing and thawing!

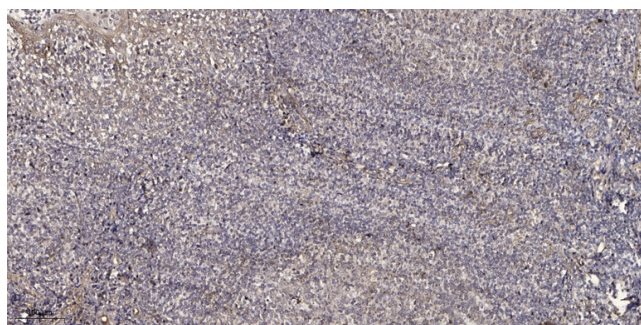
Usage suggestions

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

Products Images



Western blot analysis of 1) Mouse Liver Tissue, 2) Rat Liver Tissue using HAO1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).