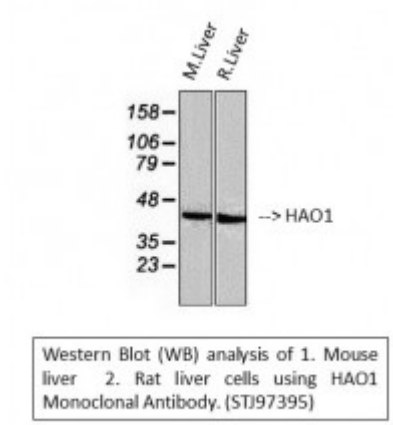
Anti-HAO1 antibody



Western Blot (WB) analysis of 1. Mouse liver 2. Rat liver cells using HAO1 Monoclonal Antibody. (STJ97395)

Description	HAO1 is a protein encoded by the HAO1 gene which is approximately 40,9 kDa. HAO1 is localised to the peroxisome. It is involved in carbon metabolism, glyoxylate metabolism and glycine degradation. It has 2-hydroxy-acid oxidase activity and is most active on the 2-carbon substrate glycolate, but is also active on 2-hydroxy fatty acids, with high activity towards 2-hydroxy palmitate and 2-hydroxy octanoate. HAO1 is expressed in the liver. Mutations in the HAO1 gene may result in primary hyperoxaluria. STJ97395 was developed from clone Mix and was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. The antibody detects endogenous HAO1 protein.

Model	STJ97395
Host	Mouse
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant Protein
Gene ID	54363
Gene Symbol	HAO1
Dilution range	WB 1:1000-2000
Specificity	The antibody detects endogenous HAO1 protein.
Tissue Specificity	Liver.
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.

Clone ID	Mix
Note	For Research Use Only (RUO).
Protein Name	Hydroxyacid oxidase 1 HAOX1 Glycolate oxidase GOX
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:4809OMIM:605023
Alternative Names	Hydroxyacid oxidase 1 HAOX1 Glycolate oxidase GOX
Function	Has 2-hydroxyacid oxidase activity. Most active on the 2-carbon substrate glycolate, but is also active on 2-hydroxy fatty acids, with high activity towards 2-hydroxy palmitate and 2-hydroxy octanoate.
Cellular Localization	Peroxisome.

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