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HAO2 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11892

Product Information

Application	WB
Primary Accession	Q9NYQ3
Other Accession	NM_001005783, NP_001005783
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rabbit, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38839

Additional Information

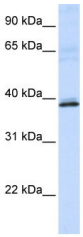
Gene ID	51179
Alias Symbol	GIG16, HAOX2
Other Names	Hydroxyacid oxidase 2, HAOX2, 1.1.3.15, (S)-2-hydroxy-acid oxidase, peroxisomal, Cell growth-inhibiting gene 16 protein, Long chain alpha-hydroxy acid oxidase, Long-chain L-2-hydroxy acid oxidase, HAO2, HAOX2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-HAO2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	HAO2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HAO2
Synonyms	HAOX2
Function	Oxidase that catalyzes the oxidation of medium and long chain hydroxyacids such as 2-hydroxyhexadecanoate and 2-hydroxyoctanoate, to the correspondong 2-oxoacids (PubMed:10777549). Its role in the oxidation of 2-hydroxy fatty acids may contribute to the general pathway of fatty acid alpha-oxidation (Probable). Active in vitro with the artificial electron acceptor 2,6-dichlorophenolindophenol (DCIP), but O2 is believed to be the

	physiological electron acceptor, leading to the production of H2O2. Is not active on glycolate, glyoxylate, L- lactate and 2-hydroxybutanoate (PubMed:10777549).
Cellular Location	Peroxisome.
Tissue Location	Expressed in the liver and kidney.

Images



WB Suggested Anti-HAO2 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: MCF7 cell lysate