

# HAO2 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI11892

## Product Information

---

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9NYQ3</a>
<b>Other Accession</b>	<a href="#">NM_001005783</a> , <a href="#">NP_001005783</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rabbit, Pig, Dog, Horse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	38839

## Additional Information

---

<b>Gene ID</b>	51179
<b>Alias Symbol</b>	GIG16, HAOX2
<b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	HAO2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	HAO2
<b>Synonyms</b>	HAOX2
<b>Function</b>	Oxidase that catalyzes the oxidation of medium and long chain hydroxyacids such as 2-hydroxyhexadecanoate and 2-hydroxyoctanoate, to the corresponding 2-oxoacids (PubMed: <a href="#">10777549</a> ). 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 O <sub>2</sub> is believed to be the

physiological electron acceptor, leading to the production of H<sub>2</sub>O<sub>2</sub>. Is not active on glycolate, glyoxylate, L- lactate and 2-hydroxybutanoate (PubMed:[10777549](#)).

**Cellular Location**

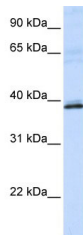
Peroxisome.

**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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.