

Goat Anti-HAO2 Antibody (internal region)
Purified Goat Polyclonal Antibody
Catalog # AF4259a**Specification**

Goat Anti-HAO2 Antibody (internal region) - Product Information

Application	WB
Primary Accession	O9NYQ3
Other Accession	NP_057611.1
Reactivity	Human
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5
Calculated MW	38839

Goat Anti-HAO2 Antibody (internal region) - Additional Information**Gene ID** 51179**Other Names**

HAO2; hydroxyacid oxidase 2 (long chain); GIG16; HAOX2; (S)-2-hydroxy-acid oxidase, peroxisomal; cell growth-inhibiting gene 16 protein; glycolate oxidase; hydroxyacid oxidase 2; long chain alpha-hydroxy acid oxidase; long-chain L-2-hydroxy acid oxidase

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence C-DVSEVDTRTTIQGE, from the internal region of the protein sequence according to NP_057611.1.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-HAO2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-HAO2 Antibody (internal region) - 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 corresponding 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.

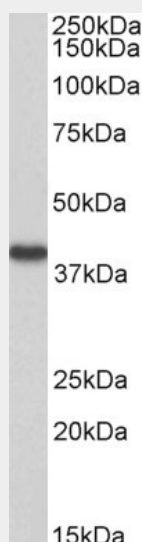
Tissue Location

Expressed in the liver and kidney.

Goat Anti-HAO2 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-HAO2 Antibody (internal region) - Images

AF4259a (0.3 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-HAO2 Antibody (internal region) - References

Identification and characterization of HAOX1, HAOX2, and HAOX3, three human peroxisomal 2-hydroxy acid oxidases. Jones JM, Morrell JC, Gould SJ. The Journal of biological chemistry 2000 Apr 275 (17): 12590-7.