Anti-HAO2 monoclonal antibody (DCABH-11847)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

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 predominately in liver and kidney and has the highest activity toward the substrate 2-hydroxypalmitate. Two alternatively spliced variants encoding the same isoform have been described.

Immunogen

A synthetic peptide of human HAO2 is used for rabbit immunization.

Isotype

IgG

Source/Host

Rabbit

Species Reactivity

Human

Purification

Protein A

Conjugate

Unconjugated

Applications

Western Blot (Transfected lysate); ELISA

Size

1 ea

Buffer

In 1x PBS, pH 7.4

Preservative

None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

HAO2 hydroxyacid oxidase 2 (long chain) [ Homo sapiens ]

Official Symbol

HAO2

Synonyms

HAO2; hydroxyacid oxidase 2 (long chain); hydroxyacid oxidase 2; (S) 2 hydroxy acid oxidase; GIG16; glycolate oxidase; growth inhibiting protein 16; HAOX2; long chain L 2 hydroxy acid oxidase; growth-inhibiting protein 16; long-chain L-2-hydroxy acid oxidase; long chain alpha-hydroxy acid oxidase; cell growth-inhibiting gene 16 protein; (S)-2-hydroxy-acid oxidase,
<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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<tbody>
<tr>
<td>Entrez Gene ID</td>
<td>51179</td>
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<tr>
<td>Protein Refseq</td>
<td>NP_001005783</td>
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<tr>
<td>UniProt ID</td>
<td>Q9NYQ3</td>
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<tr>
<td>Chromosome Location</td>
<td>1p13.3-p13.1</td>
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<tr>
<td>Pathway</td>
<td>Glyoxylate and dicarboxylate metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem.</td>
</tr>
<tr>
<td>Function</td>
<td>(S)-2-hydroxy-acid oxidase activity; FMN binding; long-chain-(S)-2-hydroxy-long-chain-acid oxidase activity; medium-chain-(S)-2-hydroxy-acid oxidase activity; oxidoreductase activity; very-long-chain-(S)-2-hydroxy-acid oxidase activity;</td>
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