Datasheet for ABIN2773784

# anti-Hydroxyacid Oxidase 2 (HAO2) (N-Term) antibody

1 Image

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## Overview

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| Quantity: | 100 µL |
| Target: | Hydroxyacid Oxidase 2 (HAO2) |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Horse, Dog, Pig, Cow, Rabbit |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | Un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human HAO2 |
| Sequence: | DDNIAAFKRI RLRPRYLRDV SEVDTRTTIQ GEEISAPICI APTGFHCLVW |
| Predicted Reactivity: | Cow: 85%, Dog: 86%, Horse: 93%, Human: 100%, Mouse: 79%, Pig: 86%, Rabbit: 93%, Rat: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against HAO2. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

## Target Details

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| Target: | Hydroxyacid Oxidase 2 (HAO2) |
| Alternative Name: | HAO2 (HAO2 Products) |

## Target Details

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| Background: | HAO2 is one of three related proteins that have 2-hydroxyacid oxidase activity yet differ in amino acid sequence, tissue expression and substrate preference. Subcellular location of the protein is the peroxisome. Specifically, the protein is expressed predominantly 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.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 predominantly 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.<br>Alias Symbols: GIG16, HAOX2<br>Protein Interaction Partner: PEX5,<br>Protein Size: 351 |
| Molecular Weight: | 39 kDa |
| Gene ID: | 51179 |
| NCBI Accession: | NM_001005783, NP_001005783 |
| UniProt: | Q9NYQ3 |
| Pathways: | Monocarboxylic Acid Catabolic Process |

## Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 351 AA |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

## Handling

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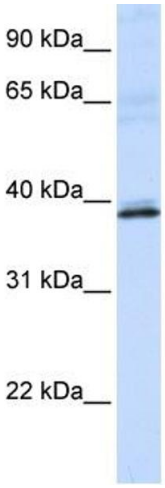
| | should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Images




**Western Blotting**

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