Datasheet for ABIN7601906

# anti-Hydroxyacid Oxidase 2 (HAO2) (AA 50-351) antibody

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## Overview

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| Quantity: | 100 µg |
| Target: | Hydroxyacid Oxidase 2 (HAO2) |
| Binding Specificity: | AA 50-351 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | Un-conjugated |
| Application: | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |

## Product Details

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| Purpose: | Anti-HAO2 Antibody Picoband® |
| Immunogen: | E.coli-derived human HAO2 recombinant protein (Position: R50-L351). Human HAO2 shares 71.1% and 73.7% amino acid (aa) sequence identity with mouse and rat HAO2, respectively. |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | Anti-HAO2 Antibody Picoband® (ABIN7601906). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | Hydroxyacid Oxidase 2 (HAO2) |
| Alternative Name: | HAO2 (HAO2 Products) |
| Background: | Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody<br>Tissue Specificity: Expressed in all tissues.<br>Background: This gene is one of three related genes that have 2-hydroxyacid oxidase activity. The encoded protein localizes to the peroxisome has the highest activity toward the substrate 2-hydroxypalmitate. Alternative splicing results in multiple transcript variants. |
| Molecular Weight: | 39 kDa |
| Gene ID: | 51179 |
| Pathways: | Monocarboxylic Acid Catabolic Process |

## Application Details

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat<br>Flow Cytometry (Fixed), 1-3 µg/1x$10^6$ cells, Human<br>ELISA, 0.1-0.5 µg/mL, -<br>1. Jones, J. M., Morrell, J. C., Gould, S. J. Identification and characterization of HAOX1, HAOX2, and HAOX3, three human peroxisomal 2-hydroxy acid oxidases. J. Biol. Chem. 275: 12590-12597, 2000. Note: Erratum: J. Biol. Chem. 279: 35122 only, 2004. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |

## Handling

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| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |