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Datasheet for ABIN1392790

**anti-HAAO antibody (AA 101-200) (Alexa Fluor 488)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | HAAO   |
| Binding Specificity: | AA 101-200   |
| Reactivity:          | Mouse  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This HAAO antibody is conjugated to Alexa Fluor 488  |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human HAAO |
| Isotype:              | IgG  |
| Cross-Reactivity:     | Mouse  |
| Predicted Reactivity: | Human,Rat,Cow,Sheep,Pig,Rabbit                           |
| Purification:         | Purified by Protein A.                                   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | HAAO                                   |
| Alternative Name: | HAAO ( <a href="#">HAAO Products</a> ) |

## Target Details

|             |  |
|-------------|--|
| Background: | <p>Synonyms: 3 HAO,3 hydroxyanthranilate 3 4 dioxygenase,3 hydroxyanthranilate dioxygenase,3 hydroxyanthranilate oxygenase,3 hydroxyanthranilic acid dioxygenase,3-HAO,3-hydroxyanthranilate 3,3-hydroxyanthranilate 3,4-dioxygenase,3-hydroxyanthranilate oxygenase,3-hydroxyanthranilic acid dioxygenase,3HAO_HUMAN,4-dioxygenase,haao,HAD,HAO.</p> <p>Background: The 3-HAO family of proteins consists of intramolecular dioxygenases that contain non-heme ferrous iron. HAAO (3-hydroxyanthranilate 3,4-dioxygenase), also known as HAO or 3-HAO, is a 286 amino acid monomeric cytoplasmic protein that belongs to the 3-HAO family. Utilizing Fe<sup>2+</sup> ions as a cofactor, HAAO participates in the formation of quinolinic acid (QUIN), and excitotoxin, by catalyzing the oxidative ring opening of 3-hydroxyanthranilate to 2-amino-3-carboxymuconate semialdehyde. HAAO may play a role in disorders that are associated with varying levels of QUIN expression, and is widely expressed in peripheral organs, including kidney and liver. Existing as two alternatively spliced isoforms, the gene encoding HAAO maps to human chromosome 2p21 and mouse chromosome 17 E4.</p> |
|-------------|--|

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions:      | For Research Use only   |

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 µg/µL  |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months  |