

Datasheet for ABIN499940  
**anti-HAAO antibody (N-Term)**

## 2 Images

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## Overview

Quantity:	0.1 mg
Target:	HAAO
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	HAAO antibody was raised against a 17 amino acid peptide near the amino terminus of human HAAO.
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	HAAO
Alternative Name:	HAAO ( <a href="#">HAAO Products</a> )
Background:	HAAO (3-Hydroxyanthranilate 3,4-dioxygenase) is a monomeric cytosolic protein of the family of intramolecular dioxygenases containing non-heme ferrous iron. It is widely distributed in peripheral organs, such as liver and kidney, and is present in low amounts in the central nervous

## Target Details

system. This enzyme participates in tryptophan metabolism. It employs one cofactor, iron. HAAO catalyzes the synthesis of quinolinic acid (QUIN) from 3-hydroxyanthranilic acid. QUIN is an excitotoxin whose toxicity is mediated by its ability to activate glutamate N-methyl-D-aspartate receptors. Increased cerebral levels of QUIN may participate in the pathogenesis of neurological and inflammatory disorders. HAAO has been suggested to play a role in disorders associated with altered tissue levels of QUIN. Furthermore, recent study shows that HAAO are excellent candidate biomarkers for detecting ovarian cancer. Synonyms: 3-HAO, 3-hydroxyanthranilate 3, 3-hydroxyanthranilate oxygenase, 3-hydroxyanthranilic acid dioxygenase, 4-dioxygenase, HAD

Gene ID: 23498

NCBI Accession: [NP\\_036337](#)

UniProt: [P46952](#)

## Application Details

Application Notes: ELISA. Western Blot: 1 - 2 µg/mL. Immunohistochemistry.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

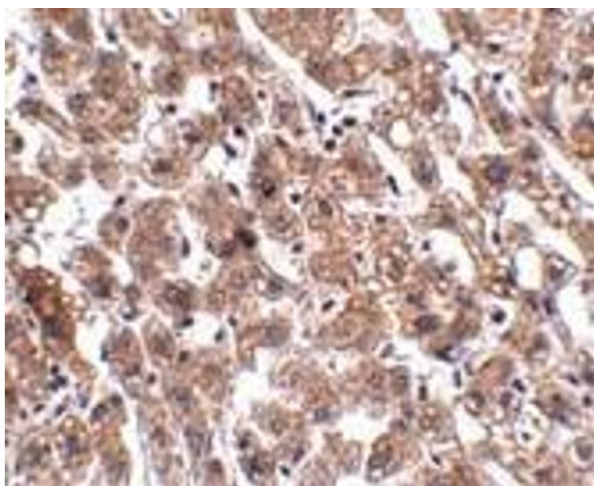
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

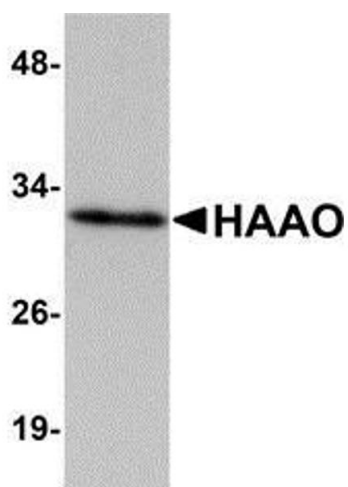
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of HAAO in human liver tissue with HAAO antibody at 2.5 µg/ml.



#### Western Blotting

**Image 2.** Western blot analysis of HAAO in Mouse liver tissue lysate with AP30390PU-N HAAO antibody at 1 µg/ml.