

Datasheet for ABIN2854465

**anti-HAAO antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	HAAO
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HAAO antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human HAAO. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to HAAO (3-hydroxyanthranilate 3,4-dioxygenase) HAAO antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	HAAO
Alternative Name:	3-hydroxyanthranilate 3,4-dioxygenase ( <a href="#">HAAO Products</a> )

## Target Details

**Background:** 3-Hydroxyanthranilate 3,4-dioxygenase is a monomeric cytosolic protein belonging to the family of intramolecular dioxygenases containing nonheme ferrous iron. It is widely distributed in peripheral organs, such as liver and kidney, and is also present in low amounts in the central nervous system. 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 neurologic and inflammatory disorders. HAAO has been suggested to play a role in disorders associated with altered tissue levels of QUIN.

Cellular Localization: Cytoplasm

**Molecular Weight:** 33 kDa

**Gene ID:** 23498

**UniProt:** [P46952](#)

## Application Details

**Application Notes:** WB: 1:500-1:10000. Optimal dilutions/concentrations should be determined by the researcher.  
Not tested in other applications.

**Comment:** Positive Control: Mouse liver , HepG2

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

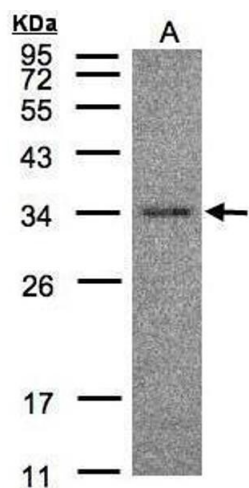
**Buffer:** 0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal

**Preservative:** Thimerosal (Merthiolate)

**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

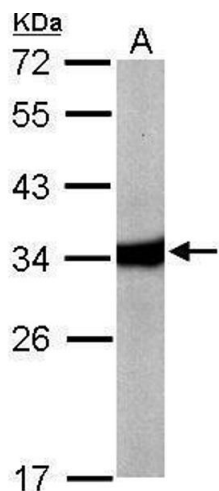
**Storage:** 4 °C, -20 °C

**Storage Comment:** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Western Blotting

**Image 1.** WB Image Sample(30 µg of whole cell lysate)  
A:Hep G2, 12% SDS PAGE antibody diluted at 1:500



Western Blotting

**Image 2.** WB Image Sample (50 ug of whole cell lysate) A:  
Mouse liver 12% SDS PAGE antibody diluted at 1:10000