

Anti-HAAO Antibody

Catalog Number: A10482

About HAAO

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 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.

Overview

Product Name	Anti-HAAO Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-HAAO Antibody (Catalog # A10482). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	HAAO Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	HAAO antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P46952

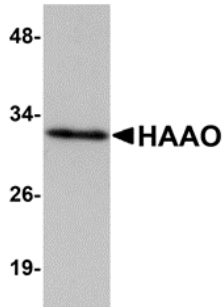
Technical Details

Immunogen	HAAO antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human HAAO. The immunogen is located within amino acids 30 - 80 of HAAO.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	HAAO Antibody is affinity chromatography purified via peptide column.

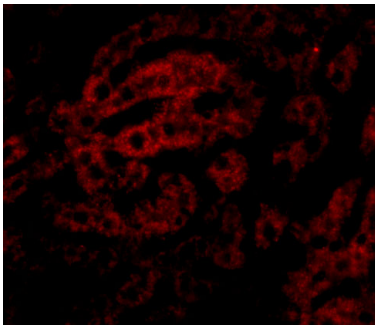
Suggested Dilutions

HAAO antibody can be used for detection of HAAO by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

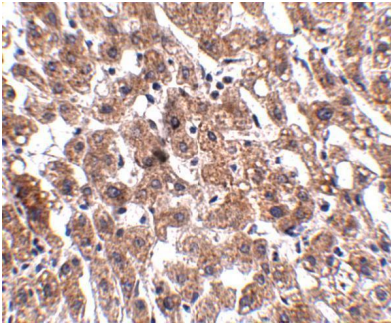
Anti-HAAO Antibody (A10482) Images



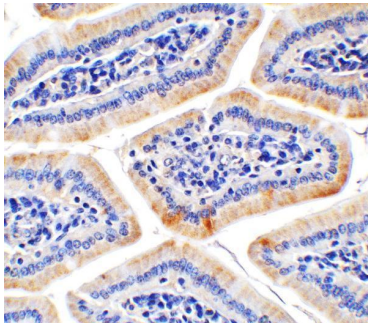
Western blot analysis of HAAO in Mouse liver tissue lysate with HAAO antibody at 1 ug/mL.



Immunofluorescence of HAAO in Human Liver cells with HAAO antibody at 20 ug/mL.



Immunohistochemistry of HAAO in human liver tissue with HAAO antibody at 2.5 ug/mL.



Immunohistochemistry of HAAO in mouse colon tissue with HAAO antibody at 2 ug/mL.

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Anti-HAAO Antibody

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