

Rabbit HAAO Polyclonal Antibody | anti-HAAO antibody

HAAO Antibody

CATALOG # AAA304082	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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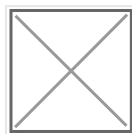
PRODUCT SYNONYMS

HAAO; Polyclonal Antibody; HAAO Antibody; 3-hydroxyanthranilate 3; 4-dioxygenase; 3-hydroxyanthranilate oxygenase; 3-HAO; HAD; HAO; anti-HAAO antibody

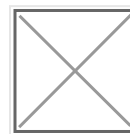
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	286
Applicable Applications for anti-HAAO antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the amino terminus of human HAAO.
Target Name	HAAO
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IHC (Immunohistochemistry)

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


WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-HAAO antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	188497625
NCBI GeneID	23498
NCBI Accession #	NP_036337
NCBI GenBank Nucleotide #	NM_012205.2
Molecular Weight	17,275 Da
NCBI Official Full Name	3-hydroxyanthranilate 3,4-dioxygenase
NCBI Official Synonym Full Names	3-hydroxyanthranilate 3,4-dioxygenase
NCBI Official Symbol	HAAO
NCBI Official Synonym Symbols	HAO; 3-HAO
NCBI Protein Information	3-hydroxyanthranilate 3,4-dioxygenase
UniProt Protein Name	3-hydroxyanthranilate 3,4-dioxygenase
UniProt Gene Name	HAAO
UniProt Synonym Gene Names	3-HAO; HAD
UniProt Entry Name	3HAO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/haao-antibody-immunohistochemistry-western-blot-elisa/304082>