

DNAxPAb

Hard-to-Find
Antibody

HAAO DNAxPab

Catalog # H00023498-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human HAAO DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MERRLGVRAWVKENRGSFQPPVCNKLHQEQLKVMFIGGPNTRKDYHIEEGEEVFYQLEGDMV LRVLEQQGKHRDVVIRQGEIFLLPARVPHSPQRFANTVGLVVERRRLETLDGLRYVGDMDVLF EKWFYCKDLGTQLAPIQIEFFSSEQYRTGKPIPDQLLKEPPFPLSTRSIMEPMSLDAWLDSHHREL QAGTPLSLFGDTYETQVIAYGQGSSEGLRQNVDVWLWQLEGSSVVTMGRRRLSLAPDDSLLVLA GTSYAWERTQGSVALSVTQDPACKKPLG
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — HAAO

Entrez GeneID [23498](#)

GeneBank Accession# [BC029510.1](#)

Protein Accession# [AAH29510.1](#)

Gene Name HAAO

Gene Alias 3-HAO, HAO

Gene Description 3-hydroxyanthranilate 3,4-dioxygenase

Omim ID [604521](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 a n 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. [provided by RefSeq]

Other Designations 3-hydroxyanthranilate oxygenase|3-hydroxyanthranilic acid dioxygenase

Pathway

- [Metabolic pathways](#)
- [Tryptophan metabolism](#)

Disease

- [Alcoholism](#)
- [Celiac Disease](#)
- [Conduct Disorder](#)
- [Genetic Predisposition to Disease](#)