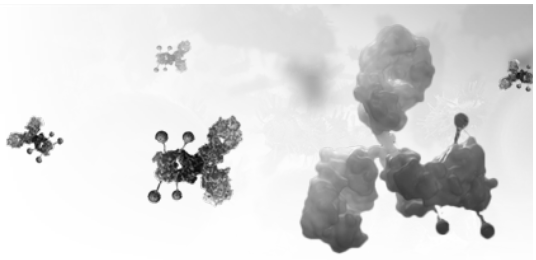

# HAAO blocking peptide (CDBP5516)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

| | |
|---|---|
| **Antigen Description** | 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. [provided by RefSeq, Jul 2008] |
| **Conjugate** | Unconjugated |
| **Applications** | Used as a blocking peptide in immunoblotting applications. |
| **Format** | Liquid |
| **Concentration** | 200 μg/mL |
| **Size** | 0.05 mg |
| **Preservative** | None |
| **Storage** | -20°C |

## GENE INFORMATION

| | |
|---|---|
| **Gene Name** | HAAO 3-hydroxyanthranilate 3,4-dioxygenase [ Homo sapiens (human) ] |
| **Official Symbol** | HAAO |
| **Synonyms** | HAAO; 3-hydroxyanthranilate 3,4-dioxygenase; HAO; 3-HAO; HAD; 3-hydroxyanthranilate |

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| | |
|---|---|
| | oxygenase; 3-hydroxyanthranilic acid dioxygenase |
| **Entrez Gene ID** | 23498 |
| **mRNA Refseq** | NM_012205 |
| **Protein Refseq** | NP_036337 |
| **UniProt ID** | P46952 |
| **Pathway** | Metabolism; Metabolism of amino acids and derivatives; NAD biosynthesis II (from tryptophan); Tryptophan catabolism; Tryptophan metabolism; tryptophan degradation III (eukaryotic); tryptophan degradation XI (mammalian; tryptophan degradation to 2-amino-3-carboxymuconate semialdehyde |
| **Function** | 3-hydroxyanthranilate 3,4-dioxygenase activity; 3-hydroxyanthranilate 3,4-dioxygenase activity; electron carrier activity; ferrous iron binding; oxygen binding |

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