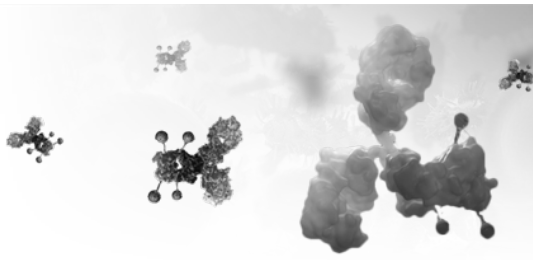

Human HAAO blocking peptide (CDBP1449)

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

PRODUCT INFORMATION

Product Overview	Blocking peptide for anti-HAAO antibody
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.
Species	Human
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	200 μg/ml
Size	50 μg
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% Sodium Azide
Storage	Store at -20℃, stable for one year.

GENE INFORMATION

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Gene Name	HAAO 3-hydroxyanthranilate 3,4-dioxygenase [Homo sapiens]
Official Symbol	HAAO
Synonyms	HAAO; 3-hydroxyanthranilate 3,4-dioxygenase; HAD; 3-hydroxyanthranilate oxygenase; 3-hydroxyanthranilic acid dioxygenase; HAO; 3-HAO;
Entrez Gene ID	23498
mRNA Refseq	NM_012205
Protein Refseq	NP_036337
UniProt ID	P46952
Chromosome Location	2p
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; NAD biosynthesis II (from tryptophan), organism-specific biosystem; NAD biosynthesis II (from tryptophan), conserved biosystem; Tryptophan catabolism, organism-specific biosystem; Tryptophan metabolism, organism-specific biosystem;
Function	3-hydroxyanthranilate 3,4-dioxygenase activity; 3-hydroxyanthranilate 3,4-dioxygenase activity; electron carrier activity; ferrous iron binding; metal ion binding; oxidoreductase activity; oxygen binding;

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