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Product Information

Recombinant Anti-Human AOC3 Antibody

Cat. No.: **MOM-18261**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Chimeric (mouse/human) Antibody is specific to Human AOC3, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The product is a major protein on the adipocyte plasma membrane. It has adhesive properties and also has functional monoamine oxidase activity. A pseudogene for this gene has been discribed and is located approximately 9-kb downstream.

Specific Activity

Tested positive against native antigen.

Target

AOC3

Immunogen

Purified vessels from human peripheral lymph nodes.

Source

Chimeric (mouse/human)

Species Reactivity

Human

Type

Chimeric (mouse/human) IgG2

Expression Host

CHO

Purity

>95%, by SDS-PAGE with silver staining, under reducing conditions.

Applications

Suitable for use in WB, Neut, ELISA and most other immunological methods.

Storage

Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

ANTIGEN GENE INFOMATION

Gene Name

AOC3 amine oxidase, copper containing 3 (vascular adhesion protein 1) [Homo sapiens]

Official Symbol

AOC3

Synonyms

AOC3; amine oxidase, copper containing 3 (vascular adhesion protein 1); membrane primary amine oxidase; HPAO; VAP 1; VAP1; copper amine oxidase; vascular adhesion protein 1; semicarbazide-sensitive amine oxidase; SSAO; VAP-1;

Gene ID

8639

mRNA Refseq

NM_003734

Protein Refseq

NP_003725

MIM

603735

UniProt ID

Q16853

Chromosome Location

17q21

Pathway

Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Phenylalanine metabolism, organism-specific biosystem; Phenylalanine metabolism, conserved biosystem; Tyrosine metabolism, organism-specific biosystem; Tyrosine metabolism, conserved biosystem;

Function

aliphatic-amine oxidase activity; aminoacetone:oxygen oxidoreductase(deaminating) activity; calcium ion binding; cation channel activity; copper ion binding; copper ion binding; oxidoreductase activity; phenethylamine:oxygen oxidoreductase (deaminating) activity; primary amine oxidase activity; protein homodimerization activity; quinone binding; tryptamine:oxygen oxidoreductase (deaminating) activity;

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