AOC3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AOC3, Polyclonal Antibody
Full Product Name	AOC3 Antibody
Product Gene Name	anti-AOC3 antibody
Product Synonym Names	HPAO; SSAO; VAP1; VAP-1
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification
Specificity	The antibody detects endogenous levels of total AOC3 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	763
OMIM	603735
3D Structure	ModBase 3D Structure for Q16853
Immunogen	Fusion protein of human AOC3
Product Categories/Family for anti-AOC3 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-AOC3 antibody	Western Blot (WB)
Application Notes for anti-AOC3 antibody	WB: 1:200-1000
Related Product Information for anti-AOC3 antibody	This gene encodes a member of the semicarbazide-sensitive amine oxidase family. Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The encoded protein is localized to the cell surface, has adhesive properties as well as monoamine oxidase activity, and may be involved in leukocyte trafficking. Alterations in levels of the encoded protein may be associated with many diseases, including diabetes mellitus. A pseudogene of this gene has been described and is located approximately 9-kb downstream on the same chromosome. Alternative splicing results in multiple transcript variants
Other Notes	Small volumes of anti-AOC3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AOC3 purchase	MBS8594466 is an antibody targeting AOC3. Also known as AOC3 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AOC3. It may not necessarily be applicable to this product.

NCBI GI #	2501336
NCBI GeneID	8639
NCBI Accession #	Q16853.3
UniProt Primary Accession #	Q16853
UniProt Secondary Accession #	Q45F94; B2RCI5; K7ESB3; L0L8N9
UniProt Related Accession #	Q16853
NCBI Official Full Name	Membrane primary amine oxidase
NCBI Official Synonym Full Names	amine oxidase, copper containing 3
NCBI Official Symbol	AOC3
NCBI Official Synonym Symbols	HPAO; SSAO; VAP1; VAP-1
UniProt Protein Name	Membrane primary amine oxidase
UniProt Synonym Protein Names	Copper amine oxidase; HPAO; Semicarbazide-sensitive amine oxidase; SSAO; Vascular adhesion protein 1; VAP-1
Protein Family	Allene oxide cyclase
UniProt Gene Name	AOC3
UniProt Synonym Gene Names	VAP1; SSAO; VAP-1
UniProt Entry Name	AOC3_HUMAN
NCBI Protein Information	membrane primary amine oxidase; copper amine oxidase; placenta copper monamine oxidase; semicarbazide-sensitive amine oxidase; amine oxidase, copper containing 3 (vascular adhesion protein 1)
NCBI Summary for AOC3	This gene encodes a member of the semicarbazide-sensitive amine oxidase family. Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The encoded protein is localized to the cell surface, has adhesive properties as well as monoamine oxidase activity, and may be involved in leukocyte trafficking. Alterations in levels of the encoded protein may be associated with many diseases, including diabetes mellitus. A pseudogene of this gene has been described and is located approximately 9-kb downstream on the same chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]
UniProt Comments for AOC3	AOC3: Cell adhesion protein that participates in lymphocyte recirculation by mediating the binding of lymphocytes to peripheral lymph node vascular endothelial cells in an L-selectin- independent fashion. Has a monoamine oxidase activity. May play a role in adipogenesis. Belongs to the copper/topaquinone oxidase family. Protein type: Cell adhesion; Oxidoreductase; Amino Acid Metabolism - phenylalanine; Other Amino Acids Metabolism - beta-alanine; Membrane protein, integral; Amino Acid Metabolism - tyrosine; Amino Acid Metabolism - glycine, serine and threonine; EC 1.4.3.21 Chromosomal Location of Human Ortholog: 17q21 Cellular Component: cell surface; microvillus; cytoplasm; plasma membrane; integral to membrane Molecular Function: amine oxidase activity; protein binding; protein homodimerization activity; copper ion binding; protein heterodimerization activity; cation channel activity; calcium ion binding; quinone binding Biological Process: response to antibiotic; amine metabolic process; cell adhesion; inflammatory response; cation transport
Research Articles on AOC3	**1.** Serum VAP-1 predicts mortality independently and improves risk stratification in colorectal cancer subjects.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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