

# AOC3 monoclonal antibody (M06), clone 4B8

Catalog # H00008639-M06 Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AOC3 is 0.3 ng/ml as a capture antibody.

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	50.0 μm

#### Immunofluorescence

Immunofluorescence of monoclonal antibody to AOC3 on HeLa cell . [antibody concentration 10 ug/ml]

Specification	
Product Description	Mouse monoclonal antibody raised against a partial recombinant AOC3.
Immunogen	AOC3 (NP_003725, 351 a.a. ~ 450 a.a) partial recombinant protein with GST tag. MW of the GST ta g alone is 26 KDa.
Sequence	DVRFQGERLVYEISLQEALAIYGGNSPAAMTTRYVDGGFGMGKYTTPLTRGVDCPYLATYVDWHF LLESQAPKTIRDAFCVFEQNQGLPLRRHHSDLYSH
Host	Mouse
Reactivity	Human
lsotype	lgG2a Kappa

# 😵 Abnova

## **Product Information**

Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# Applications

- Sandwich ELISA (Recombinant protein)
  Detection limit for recombinant GST tagged AOC3 is 0.3 ng/ml as a capture antibody.
  <u>Protocol Download</u>
- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to AOC3 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — AOC3	
Entrez GenelD	8639
GeneBank Accession#	<u>NM_003734</u>
Protein Accession#	<u>NP_003725</u>
Gene Name	AOC3
Gene Alias	HPAO, SSAO, VAP-1, VAP1
Gene Description	amine oxidase, copper containing 3 (vascular adhesion protein 1)
Omim ID	603735
Gene Ontology	Hyperlink
Gene Summary	Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presenc e of copper and quinone cofactor. The product is a major protein on the adipocyte plasma membr ane. It has adhesive properties and also has functional monoamine oxidase activity. A pseudogen e for this gene has been discribed and is located approximately 9-kb downstream. [provided by R efSeq
Other Designations	amine oxidase, copper containing 3 copper amine oxidase semicarbazide-sensitive amine oxida se vascular adhesion protein 1



### **Publication Reference**

• <u>Alteration of pancreatic carcinoma and promyeloblastic cell adhesion in liver microvasculature by co-culture of hepatocytes, hepatic stellate cells and endothelial cells in a physiologically-relevant model.</u>

Danoy M, Shinohara M, Rizki-Safitri A, Collard D, Senez V, Sakai Y.

Integrative Biology : Quantitative Biosciences from Nano to Macro 2017 Apr; 9(4):350.

Application: IF, Human, Rat, HUVEC, LX-2 cells, Rat hepatocytes

### Pathway

- <u>beta-Alanine metabolism</u>
- Biosynthesis of alkaloids derived from ornithine
- <u>Glycine</u>
- Isoquinoline alkaloid biosynthesis
- Metabolic pathways
- Phenylalanine metabolism
- Tropane
- Tyrosine metabolism