

RecomAb™

## AOC3 recombinant monoclonal antibody, clone TK8-14

Catalog # RAB03959      Size 200 ug

### Specification

<b>Product Description</b>	Mouse recombinant monoclonal antibody raised against affinity purified VAP-1 from tonsil stroma of human origin.
<b>Antibody Species</b>	Mouse
<b>Immunogen</b>	Original antibody is raised against recombinant protein corresponding to affinity purified VAP-1 from tonsil stroma of human origin.
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Isotype</b>	IgG2a kappa
<b>Recommend Usage</b>	ELISA Flow cytometry Immunohistochemistry Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.02% Proclin 300)
<b>Storage Instruction</b>	Store at 4°C for 3 months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

### Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

## Gene Info — AOC3

Entrez GeneID [8639](#)

Protein Accession# [Q16853](#)

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 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 described and is located approximately 9-kb downstream. [provided by RefSeq]

**Other Designations** amine oxidase, copper containing 3|copper amine oxidase|semicarbazide-sensitive amine oxidase|vascular adhesion protein 1

## Pathway

- [beta-Alanine metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Glycine](#)
- [Isoquinoline alkaloid biosynthesis](#)
- [Metabolic pathways](#)
- [Phenylalanine metabolism](#)
- [Tropane](#)
- [Tyrosine metabolism](#)