

**Anti-AOC3 / VAP-1 Antibody**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18588****Specification**

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**Anti-AOC3 / VAP-1 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P, IF          |
| Primary Accession | <a href="#">Q16853</a> |
| Predicted         | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | IgG                    |
| Calculated MW     | 84622                  |

**Anti-AOC3 / VAP-1 Antibody - Additional Information****Gene ID 8639**Alias Symbol **AOC3****Other Names**

AOC3, Copper amine oxidase, HPAO, Membrane primary amine oxidase, SSAO, VAP-1, VAP1, Vascular adhesion protein 1

**Target/Specificity**

Human AOC3 / VAP-1

**Reconstitution & Storage**

Affinity purified

**Precautions**

Anti-AOC3 / VAP-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-AOC3 / VAP-1 Antibody - Protein Information****Name** AOC3 ([HGNC:550](#))**Synonyms** VAP1**Function**

Catalyzes the oxidative deamination of primary amines to the corresponding aldehydes with the concomitant production of hydrogen peroxide and ammonia (PubMed:[9653080](http://www.uniprot.org/citations/9653080), PubMed:[19588076](http://www.uniprot.org/citations/19588076), PubMed:[24304424](http://www.uniprot.org/citations/24304424)). Has a preference for the primary monoamines methylamine and benzylamine (PubMed:[9653080](http://www.uniprot.org/citations/9653080), PubMed:[19588076](http://www.uniprot.org/citations/19588076)). Could also

act on 2-phenylethylamine but much less efficiently (PubMed:<a href="http://www.uniprot.org/citations/19588076" target="\_blank">19588076</a>). At endothelial cells surface can also function as a cell adhesion protein that participates in lymphocyte extravasation and recirculation by mediating the binding of lymphocytes to peripheral lymph node vascular endothelial cells in an L-selectin-independent fashion (PubMed:<a href="http://www.uniprot.org/citations/9653080" target="\_blank">9653080</a>, PubMed:<a href="http://www.uniprot.org/citations/9254657" target="\_blank">9254657</a>).

**Cellular Location**

Cell membrane; Single-pass type II membrane protein

**Tissue Location**

Strongly expressed on the high endothelial venules of peripheral lymph nodes and on hepatic endothelia. Also highly expressed in appendix, lung and small intestine. Expressed also in adipose tissue, in bone marrow, colon, heart, kidney, ovary, pancreas, placenta, prostate, skeletal muscle, spleen and testis. Isoform 2 seems to be the predominant transcript in fetal kidneys, fetal cartilage and fetal tonsils. The highest relative expression of isoform 2 occurs in skeletal muscle, heart, pancreas, kidney, and lung

**Anti-AOC3 / VAP-1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-AOC3 / VAP-1 Antibody - Images**