

**Anti-AOC3 / VAP1 Reference Antibody (timolumab)
Recombinant Antibody
Catalog # APR10628****Specification**

Anti-AOC3 / VAP1 Reference Antibody (timolumab) - Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q16853
Reactivity	Mouse, Rabbit
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	145 KDa

Anti-AOC3 / VAP1 Reference Antibody (timolumab) - Additional Information**Target/Specificity**

AOC3 / VAP1

Endotoxin

< 0.001EU/ µg,determined by LAL method.

Conjugation

Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-AOC3 / VAP1 Reference Antibody (timolumab) - 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:19588076, PubMed:24304424, PubMed:9653080). Has a preference for the primary monoamines methylamine and benzylamine (PubMed:19588076, PubMed:9653080). Could also act on 2-phenylethylamine but much less efficiently (PubMed:19588076). 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:9254657, PubMed:9653080).

Cellular Location

Cell membrane; Single-pass type II membrane protein

Tissue Location

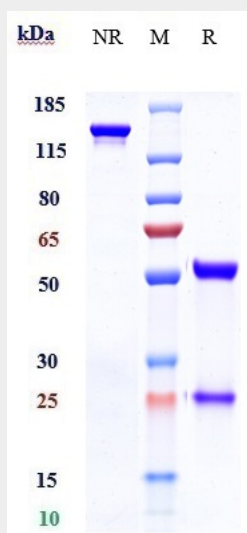
Strongly expressed on the high endothelial venules of peripheral lymph nodes and on hepatic endothelia. Also highly expressed in appendix, lung and small intestine. Expressed also in adipose tissue, in bone marrow, colon, heart, kidney, ovary, pancreas, placenta, prostate, skeletal muscle, spleen and 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 / VAP1 Reference Antibody (timolumab) - Protocols

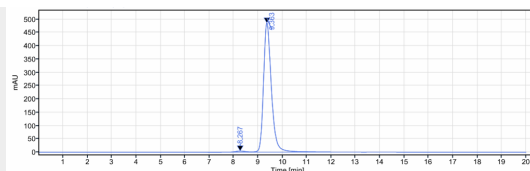
Provided below are standard protocols that you may find useful for product applications.

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

Anti-AOC3 / VAP1 Reference Antibody (timolumab) - Images



Anti-AOC3 / VAP1 Reference Antibody (timolumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-AOC3 / VAP1 Reference Antibody (timolumab) is more than 95% ,determined by SEC-HPLC.