

AOC3 / VAP-1 Polyclonal Antibody | anti-AOC3 antibody

Goat Polyclonal to Human AOC3 / VAP-1

CATALOG # AAA12319	HOST AOC3/VAP-1 antibody was produced in Goat	REACTIVITY Human, Hamster Predicted Reactivity: Monkey, Mouse, Rat, Rabbit	APPLICATIONS Immunohistochemistry, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

AOC3 / VAP-1; Polyclonal Antibody; Goat Polyclonal to Human AOC3 / VAP-1; Anti-AOC3 / VAP-1 Antibody (Internal) IHC-plus; AOC3; Copper amine oxidase; HPAO; Membrane primary amine oxidase; SSAO; VAP-1; VAP1; Vascular adhesion protein 1; Human AOC3; anti-AOC3 antibody

PRODUCT SPECIFICATIONS

Host	AOC3/VAP-1 antibody was produced in Goat
Reactivity	Human, Hamster Predicted Reactivity: Monkey, Mouse, Rat, Rabbit
Clonality	Polyclonal
Specificity	Human AOC3 / VAP-1.
Purity/Purification	Immunoaffinity Purified
Form/Format	TBS, pH 7.3, 0.02% sodium azide, 0.5% BSA
Concentration	0.5 mg/ml (varies by lot)
Sequence Positions	aa712-724
Sequence Length	724
Applicable Applications for anti-AOC3 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), ELISA (Peptide ELISA)
Application Notes	Immunohistochemistry-Paraffin (IHC-Paraffin) (3.75 ug/ml) Peptide Enzyme-Linked Immunosorbent Assay (1:64000) Optimal dilutions to be determined by the researcher).
Target	AOC3/VAP-1
Immunogen Species	AOC3/VAP-1 antibody was raised against Human
Antigen Type	Synthetic peptide
Usage	Immunohistochemistry: was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration was determined to be 3.75 ug/ml.
Immunogen	AOC3 / VAP-1 antibody was raised against synthetic peptide C-DEDPFSFYSDSIY from an internal region (near the C-terminus) of human AOC3 / VAP-1 (NP_003725.1). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Marmoset, Hamster (100%); Gibbon, Monkey, Mouse, Rat, Rabbit (92%); Elephant, Bovine (85%).
Antigen Modification	Internal
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech, Inc. makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at -20°C. Avoid freeze-thaw cycles.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502119
NCBI GeneID	8639
NCBI Accession #	NP_003725.1
NCBI GenBank Nucleotide #	NM_003734.3
UniProt Accession #	Q16853 ; Q45F94 ; B2RCI5 ; K7ESB3 ; L0L8N9
NCBI Official Full Name	membrane primary amine oxidase isoform 1
NCBI Official Synonym Full Names	amine oxidase, copper containing 3
NCBI Official Symbol	AOC3
NCBI Official Synonym Symbols	HPAO; SSAO; VAP1; VAP-1

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)
UniProt Protein Name	Membrane primary amine oxidase
UniProt Gene Name	AOC3
UniProt Synonym Gene Names	VAP1; SSAO; VAP-1
UniProt Entry Name	AOC3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/aoc3-vap-1-antibody-immunohistochemistry-immunohistochemistry-peptide-elisa-elisa/12319>