

AOC3 Rabbit pAb

CatalogNo: YN2392

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 83kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 510-590

Specificity AOC3 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name AOC3 VAP1

Protein Name Membrane primary amine oxidase (Copper amine oxidase) (HPAO) (Semicarbazide-sensitive amine oxidase) (SSAO) (Vascular adhesion protein 1) (VAP-1)

Organism	Gene ID	UniProt ID
Human	8639;	Q16853;
Mouse		O70423;
Rat		O08590;

Cellular Localization Cell membrane ; Single-pass type II membrane protein .

Tissue specificity 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.

Function Catalytic activity: $RCH(2)NH(2) + H(2)O + O(2) = RCHO + NH(3) + H(2)O(2)$.,cofactor: Binds 1 copper ion per subunit.,cofactor: Binds 2 calcium ions per subunit.,cofactor: Contains 1 topaquinone per subunit.,Function: Cell adhesion protein that participates in lymphocyte recirculation by mediating the binding of lymphocytes to peripheral lymph node vascular endothelial cells in an L-selectin-independent fashion. Has a monoamine oxidase activity.,PTM: N- and O-glycosylated.,PTM: Topaquinone (TPQ) is generated by copper-dependent autoxidation of a specific tyrosyl residue.,similarity: Belongs to the copper/topaquinone oxidase family.,subunit: Homodimer; disulfide-linked.,tissue specificity: 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 at lower levels in bone marrow, colon, heart, kidney, ovary, pancreas, placenta, prostate, skeletal muscle, spleen and testis.,

Validation Data

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