



Rabbit Anti-VAP1 antibody

SL10529R

Product Name:	VAP1
Chinese Name:	血管粘附蛋白1抗体
Alias:	vascular adhesion protein 1; Amine oxidase, copper containing 3 (vascular adhesion protein 1); AOC3; Copper amine oxidase; HPAO; Membrane copper amine oxidase; Semicarbazide sensitive amine oxidase; SSAO; Vascular adhesion protein 1; VP97; AOC3_HUMAN; Membrane primary amine oxidase; Semicarbazide-sensitive amine oxidase; VAP-1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	84kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human VAP1:201-300/763
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the semicarbazide-sensitive amine oxidase family. Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The encoded protein is localized to the cell

surface, has adhesive properties as well as monoamine oxidase activity, and may be involved in leukocyte trafficking. Alterations in levels of the encoded protein may be associated with many diseases, including diabetes mellitus. A pseudogene of this gene has been described and is located approximately 9-kb downstream on the same chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]

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. May play a role in adipogenesis.

Subcellular Location:

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. May play a role in adipogenesis.

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.

Post-translational modifications:

Topaquinone (TPQ) is generated by copper-dependent autoxidation of a specific tyrosyl residue.
N- and O-glycosylated.

Similarity:

Belongs to the copper/topaquinone oxidase family.

SWISS:

Q16853

Gene ID:

8639

Database links:

[Entrez Gene: 8639](#)Human

[Entrez Gene: 29473](#)Rat

[Omim: 603735](#)Human

[SwissProt: Q16853](#)Human

[SwissProt: O08590](#)Rat

[Unigene: 198241](#)Human

[Unigene: 198327](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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