

## 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); amine oxidase; HPAO; Membrane copper amine oxidase; Semicarbazide sensitive amine oxidase; Vascular adhesion protein 1; VP97; AOC3\_HUMAN; Membrane primary amine oxidase; Semicarbazide-sensitive amine oxidase; VAP-1.

**Research Area** Cardiovascular Neurobiology Signal transduction Cell adhesion molecule vascular endothelial cell Alzheimer's

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Human, Mouse, Rat, )  
WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA

**Applications** (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 84kDa

**Cellular localization** The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human VAP1: 201-300/763

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

**PubMed**

[PubMed](#)

This gene encodes a member of the semicarbazide-sensitive amine oxidase family. Copper amin oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone. 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 monomeric structure and 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 monomeric structure and activity. May play a role in adipogenesis.

**Tissue Specificity:**

Strongly expressed on the high endothelial venules of peripheral lymph nodes and on hepatic endothelium. Also highly expressed in appendix, lung and small intestine. Expressed also in adipose tissue, in bone marrow, heart, kidney, ovary, pancreas, placenta, prostate, skeletal muscle, spleen and testis.

**Product Detail**

**Post-translational modifications:**

Topaquinone (TPQ) is generated by copper-dependent autoxidation of a specific tyrosyl residue. The protein is 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



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[SwissProt: Q16853](#) Human

[SwissProt: O08590](#) Rat

[Unigene: 198241](#) Human

[Unigene: 198327](#) Rat