

For Research Use Only

VAP1 Polyclonal antibody

Catalog Number: 14365-1-AP

1 Publications



Basic Information

Catalog Number:

14365-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5683

GenBank Accession Number:

BC050549

GeneID (NCBI):

8639

UNIPROT ID:

Q16853

Full Name:

amine oxidase, copper containing 3 (vascular adhesion protein 1)

Calculated MW:

85 kDa

Observed MW:

85-90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse lung tissue, mouse adipose tissue, rat lung tissue, mouse stomach tissue

IHC: human appendicitis tissue, human lung cancer tissue, human small intestine tissue

Background Information

AOC3(membrane primary amine oxidase) is also name as copper amine oxidase, HPAO, SSAO, VAP1 and belongs to the copper/topaquinone oxidase family. It is expressed on the surface of endothelial cells and is involved in leukocyte trafficking between blood and tissues under physiologic and pathologic conditions (PMID:17947691). AOC3 is highly expressed in adipocytes and smooth muscle cells and it can be N- and O-glycosylated (PMID:16046623). AOC3 has molecular mass of 70-90kD, and can exist as a homodimer(165-185kD) and trimer(240-260kD) (PMID:10595925, 8625974).

Notable Publications

Author	Pubmed ID	Journal	Application
Fengchan Li	35527426	J Cell Mol Med	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

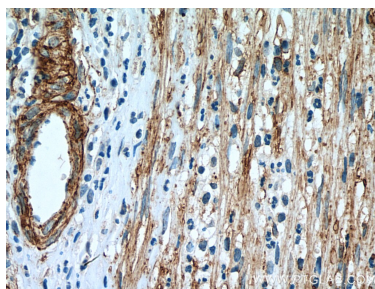
E: proteintech@ptglab.com
W: ptglab.com

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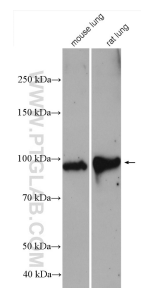
Selected Validation Data



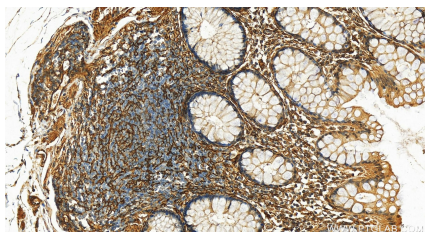
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 14365-1-AP (VAP1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 14365-1-AP (VAP1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 14365-1-AP (VAP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14365-1-AP (VAP1 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).