

For Research Use Only

VAP1/AOC3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87278-3-PBS



Basic Information

Catalog Number:

87278-3-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5045

GenBank Accession Number:

NM_003734.3

GeneID (NCBI):

8639

UNIPROT ID:

Q16853-1

Full Name:

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

Calculated MW:

85 kDa

Observed MW:

85-90 kDa

Purification Method:

Protein A purification

CloneNo.:

252158A7

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

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).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

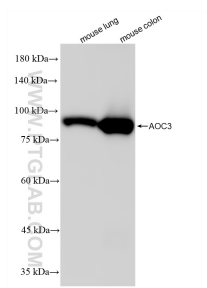
For technical support and original validation data for this product please contact:

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

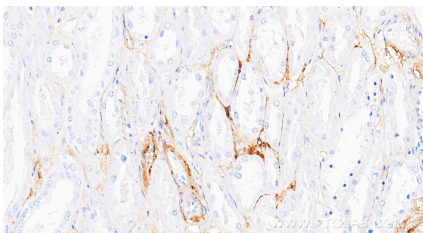
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W: ptglab.com

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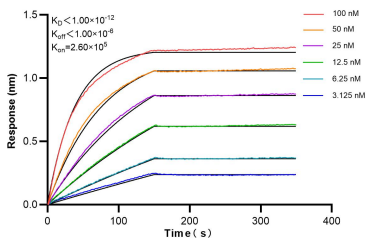
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87278-3-RR (AOC3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87278-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 87278-3-RR (VAP1/AOC3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87278-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87278-3-RR against Human VAP1/AOC3 were performed. The affinity constant is below 1 pM.