

VAP1/AOC3 Recombinant monoclonal antibody

Catalog Number: 87278-3-RR

Basic Information

Catalog Number:	87278-3-RR	GenBank Accession Number:	NM_003734.3	Purification Method:	Protein A purification
Source:	Rabbit	GeneID (NCBI):	8639	CloneNo.:	252158A7
Isotype:	IgG	UNIPROT ID:	Q16853-1	Recommended Dilutions:	WB: 1:1000-1:4000 IHC: 1:500-1:2000
Immunogen Catalog Number:	EG5045	Full Name:	amine oxidase, copper containing 3 (vascular adhesion protein 1)		
		Calculated MW:	85 kDa		
		Observed MW:	85-90 kDa		

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

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, rat colon tissue, mouse colon tissue

IHC : human kidney 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).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

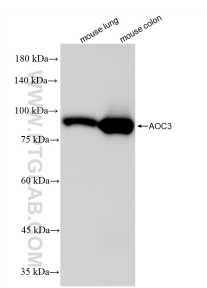
For technical support and original validation data for this product please contact:

T: 4006900926

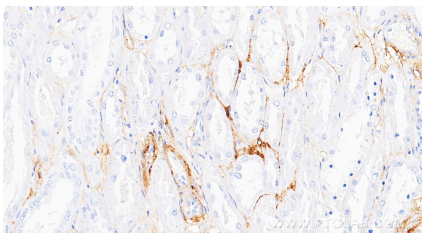
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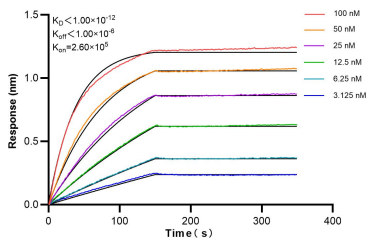
Selected Validation Data



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.



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).



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