

For Research Use Only

AOC3 Monoclonal antibody

Catalog Number: 66834-1-Ig **3 Publications**



Basic Information

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|--|---|---|
| Catalog Number: 66834-1-Ig | GenBank Accession Number: BC050549 | Purification Method: Protein G purification |
| Size: 150ul , Concentration: 1600 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 8639 | CloneNo.: 2A6G3 |
| Source: Mouse | UNIPROT ID: Q16853 | Recommended Dilutions: WB 1:3000-1:8000 IHC 1:500-1:1200 IF-P 1:200-1:800 |
| Isotype: IgG1 | Full Name: amine oxidase, copper containing 3 (vascular adhesion protein 1) | |
| Immunogen Catalog Number: AG5908 | Calculated MW: 85 kDa | |
| | Observed MW: 85-90 kDa | |

Applications

| | |
|---|--|
| Tested Applications: WB, IHC, IF-P, ELISA | Positive Controls: WB : human ileum tissue, IHC : human liver cancer tissue, IF-P : human liver cancer tissue, |
| Cited Applications: WB, IHC | |
| Species Specificity: Human | |
| 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

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 |
|-------------|-----------|---------------|-------------|
| Runsang Pan | 36189307 | Front Immunol | IHC |
| Sisi Gong | 39529035 | J Transl Med | WB |
| Hui Xu | 38461356 | Commun Biol | IHC |

Storage

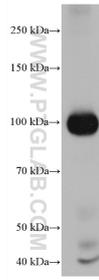
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

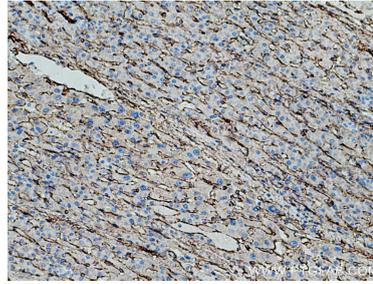
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

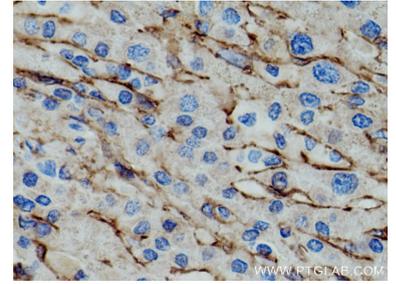
Selected Validation Data



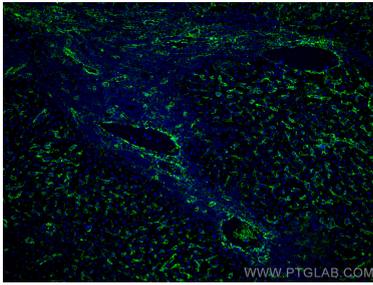
human ileum tissue were subjected to SDS PAGE followed by western blot with 66834-1-Ig (AOC3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



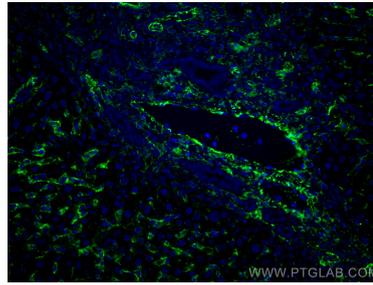
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66834-1-Ig (AOC3 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66834-1-Ig (AOC3 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using AOC3 antibody (66834-1-Ig, Clone: 2A6G3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using AOC3 antibody (66834-1-Ig, Clone: 2A6G3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).