

For Research Use Only

Prealbumin/transthyretin Monoclonal antibody

Catalog Number: 66108-1-Ig **2 Publications**



Basic Information

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| Catalog Number: 66108-1-Ig | GenBank Accession Number: BC020791 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 7276 | CloneNo.: 1H8C4 |
| Source: Mouse | UNIPROT ID: P02766 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 |
| Isotype: IgG2a | Full Name: transthyretin | |
| Immunogen Catalog Number: AG19232 | Calculated MW: 147 aa, 16 kDa | |
| | Observed MW: 14-16 kDa, 28-33 kDa | |

Applications

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| Tested Applications: WB, IHC, FC (Intra), ELISA | Positive Controls: WB : Human brain, fetal tissue, human heart tissue IHC : human liver tissue, mouse liver tissue |
| Cited Applications: WB | |
| Species Specificity: human, mouse | |
| Cited Species: human, mouse | |
| 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

Transthyretin (TTR) is a plasma transport protein for thyroxine and retinol, through the association with retinol-binding protein. It is a homotetrameric protein synthesized mainly in liver, choroid plexus, retinal pigment epithelium, and pancreas. Within the CNS, TTR is the only known protein synthesized solely by the choroid plexus. Mutant and wildtype TTR give rise to various forms of amyloid deposition (amyloidosis). Defects in TTR are the cause of amyloidosis transthyretin-related (AMYL-TTR), hyperthyroxinemia dystransthyretinemic euthyroidal (HTDE) and carpal tunnel syndrome type 1 (CTS1). In addition, positive immunostaining for TTR has been reported as a sensitive diagnostic marker of choroid plexus tumors. TTR can be expressed as monomer (14-16 kDa), dimer (28-33 kDa), or tetramer around 55-60 kDa. (PMID: 22103483)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|-------------|-------------|
| Trung Duc Nguyen | 35440644 | Nat Commun | WB |
| Ying Li | 36965775 | Am J Pathol | WB |

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

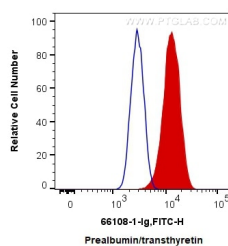
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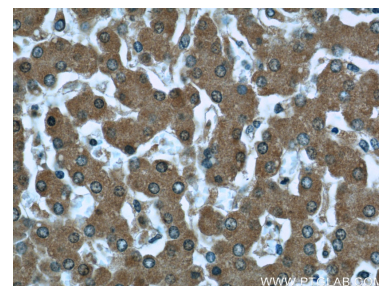
Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 66108-1-Ig (Prealbumin/transferrin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



1X10⁶ PC-12 cells were intracellularly stained with 0.4 ug Anti-Human Prealbumin/transferrin (66108-1-Ig, Clone:1H8C4) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66108-1-Ig (Prealbumin/transferrin antibody at dilution of 1:50.