

Prealbumin/transthyretin Monoclonal antibody

Catalog Number: 66108-1-Ig 2 Publications

Basic Information

Catalog Number: 66108-1-Ig	GenBank Accession Number: BC020791	Purification Method: Protein A purification
Concentration: 1000 ug/ml	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

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

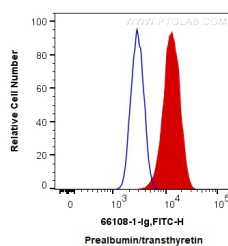
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

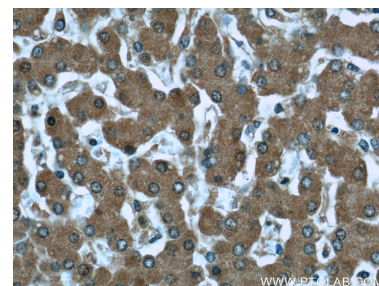
Selected Validation Data



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 AffiniPure 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.