

For Research Use Only

Prealbumin/transthyretin Polyclonal antibody



Catalog Number: 11891-1-AP

24 Publications

Basic Information

Catalog Number: 11891-1-AP	GenBank Accession Number: BC020791	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 7276	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P02766	
Isotype: IgG	Full Name: transthyretin	
Immunogen Catalog Number: AG2499	Calculated MW: 147 aa, 16 kDa	
	Observed MW: 16 kDa	

Applications

Tested Applications:
IF, IHC, WB, ELISA

Cited Applications:
IF, IHC, 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

Positive Controls:

WB : human plasma, human brain tissue, human heart tissue, HEK-293 cells, human spleen tissue, human liver tissue, human serum

IHC : human liver cancer tissue, mouse liver tissue, human kidney tissue

IF : mouse brain tissue,

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. (PMID: 22103483)

Notable Publications

Author	Pubmed ID	Journal	Application
Elżbieta Wieczorek	30394286	Biochim Biophys Acta Gen Subj	
Hideharu Domoto	27741252	PLoS One	WB
Jinxin Liu	34856473	Phytomedicine	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

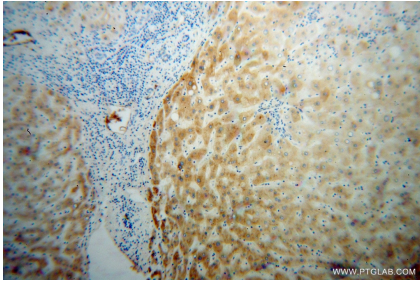
For technical support and original validation data for this product please contact:

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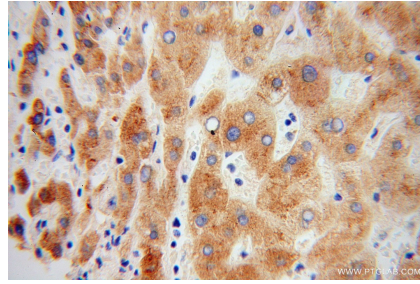
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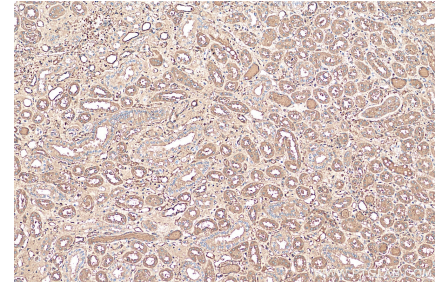
Selected Validation Data



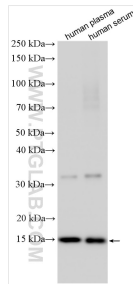
Immunohistochemical analysis of paraffin-embedded human liver cancer using 11891-1-AP (Prealbumin/transferrin antibody) at dilution of 1:100 (under 10x lens).



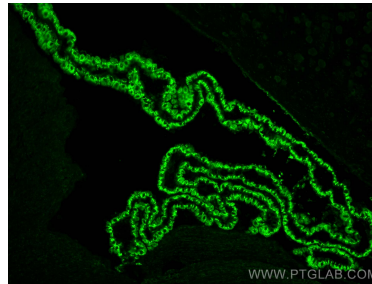
Immunohistochemical analysis of paraffin-embedded human liver cancer using 11891-1-AP (Prealbumin/transferrin antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11891-1-AP (Prealbumin/transferrin antibody) at dilution of 1:1600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 11891-1-AP (Prealbumin/transferrin antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using Prealbumin/transferrin antibody (11891-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).