

For Research Use Only

# Transthyretin Polyclonal antibody

Catalog Number: 31130-1-AP



## Basic Information

Catalog Number:

31130-1-AP

Size:

150ul , Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000371.4

GeneID (NCBI):

7276

UNIPROT ID:

P02766

Full Name:

transthyretin

Calculated MW:

16 kDa

Observed MW:

15 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : human heart tissue, human plasma tissue, mouse brain tissue, mouse liver tissue, rat plasma 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. However Western blot analysis using specific rabbit anti-mouse TTR reveals that TTR is absent from the cortex, hippocampus, and cerebellum and present in the choroid plexus. (PMID: 22103483, 16698124)

## 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

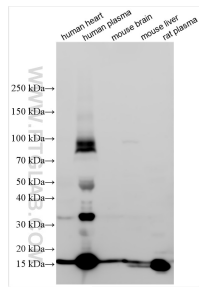
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31130-1-AP (Transthyretin antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.