Product datasheet

Anti-Prealbumin/transthyretin/TTR Antibody

Catalog Number: *PB9750*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-Prealbumin/transthyretin/TTR Antibody
Gene Name	TTR
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, IHC, IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived rat Prealbumin recombinant protein (Position: G21-N147). Rat Prealbumin shares 94.5% amino acid (aa) sequence identity with mouse Prealbumin.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	16 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Transthyretin (TTR) is also known as prealbumin. It is mapped to chromosome region 18q11.2-q12.1. This gene encodes a carrier protein responsible for the transport of thyroid hormones and retinol. The protein consists of a tetramer of identical subunits. Due to increased stability of the tetramer form of this encoded protein in mouse, compared to the human protein, this gene product has a reduced tendency to form amyloid fibrils. In humans, this protein binds beta-amyloid preventing its aggregation and providing a neuroprotective role in Alzheimer's disease.

Reference

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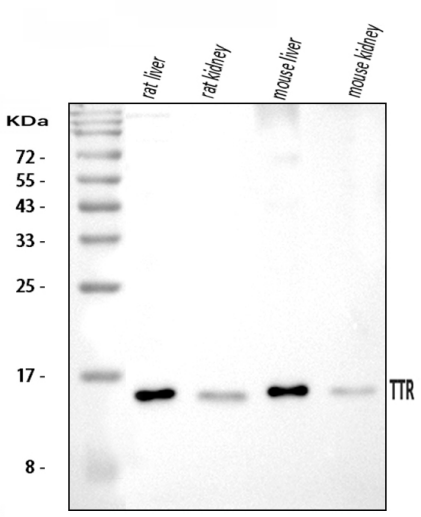
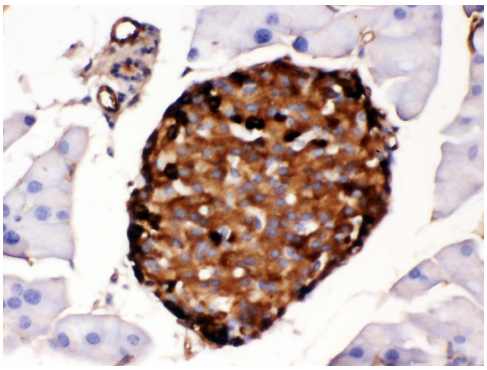
Anti-Prealbumin/transthyretin/TTR Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of Prealbumin/transthyretin/TTR using anti-Prealbumin/transthyretin/TTR antibody (PB9750). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Rat Liver tissue lysates,
Lane 2: Rat kidney tissue lysates,
Lane 3: Mouse Liver tissue lysates,
Lane 4: Mouse kidney tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Prealbumin/transthyretin/TTR antigen affinity purified polyclonal antibody (PB9750) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Prealbumin/transthyretin/TTR at approximately 16 kDa. The expected band size for Prealbumin/transthyretin/TTR is at 16 kDa.



IHC analysis of Prealbumin/transthyretin/TTR using anti-Prealbumin/transthyretin/TTR antibody (PB9750).
Prealbumin/transthyretin/TTR was detected in a paraffin-embedded section of mouse pancreas tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-Prealbumin/transthyretin/TTR Antibody (PB9750) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.

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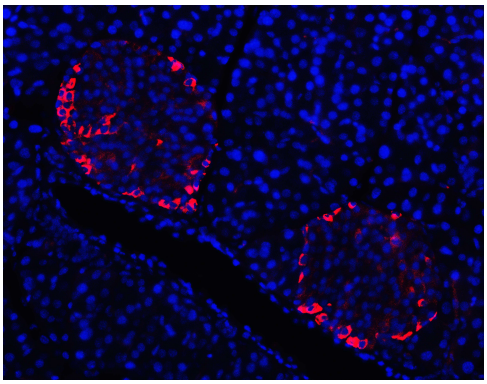

IF analysis of TTR using anti-TTR antibody (PB9750).
TTR was detected in a paraffin-embedded section of mouse pancreas tissue. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1032) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).