

Basic Information

Product Name	Anti-Prealbumin/transthyretin/TTR Antibody	
Gene Name	TTR	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human Prealbumin recombinant protein (Position: G21-E147). Human Prealbumin shares 81% and 83.3% amino acid (aa) sequence identity with mouse and rat Prealbumin, respectively.	
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 (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°C as supplied.

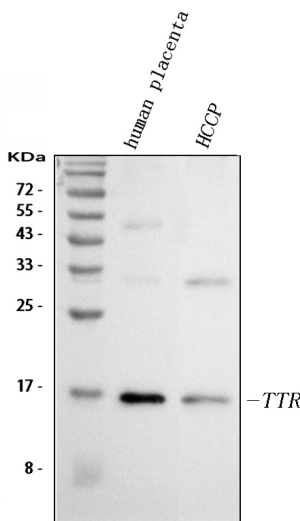
Background Information

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

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

Selected Validation Data

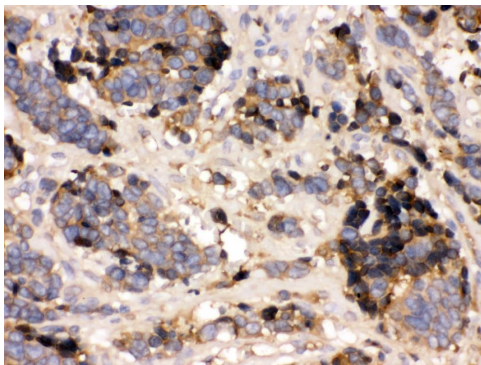


Western blot analysis of Prealbumin/transthyretin/TTR using anti-Prealbumin/transthyretin/TTR antibody (PB9749). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human placenta tissue lysates,

Lane 2: HCCP placenta 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 (PB9749) 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 (PB9749).

Prealbumin/transthyretin/TTR was detected in a paraffin-embedded section of human lung cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-Prealbumin/transthyretin/TTR Antibody (PB9749) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.