

Anti-Prealbumin Picoband Antibody

Catalog # ABO12436

Product Information

Application	WB, IHC-P
Primary Accession	P02767
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Transthyretin(TTR) detection. Tested with WB, IHC-P in Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	24856
Other Names	Transthyretin, Prealbumin, TBPA, Ttr, Tt
Calculated MW	15720
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Mouse, Rat
Subcellular Localization	Secreted .
Tissue Specificity	Detected in serum and cerebrospinal fluid (at protein level). Highly expressed in the choroid plexus. Detected at lower levels in the liver. .
Source	Eukaryota
Protein Name	Transthyretin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived rat Prealbumin recombinant protein (Position: G21-N147). Rat Prealbumin shares 94.5% amino acid (aa) sequence identity with mouse Prealbumin.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
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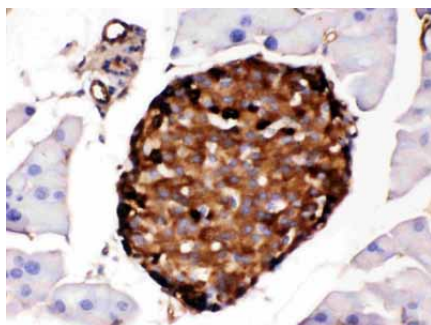
Protein Information

Name	Ttr
Synonyms	Tt
Function	Thyroid hormone-binding protein. Probably transports thyroxine from the bloodstream to the brain.
Cellular Location	Secreted
Tissue Location	Detected in serum and cerebrospinal fluid (at protein level). Highly expressed in the choroid plexus. Detected at lower levels in the liver.

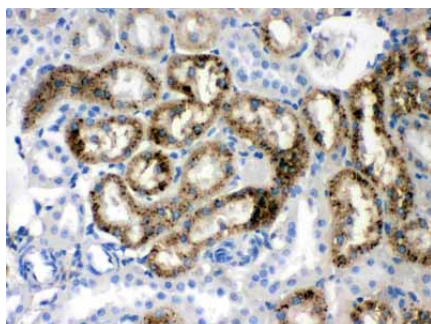
Background

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.

Images

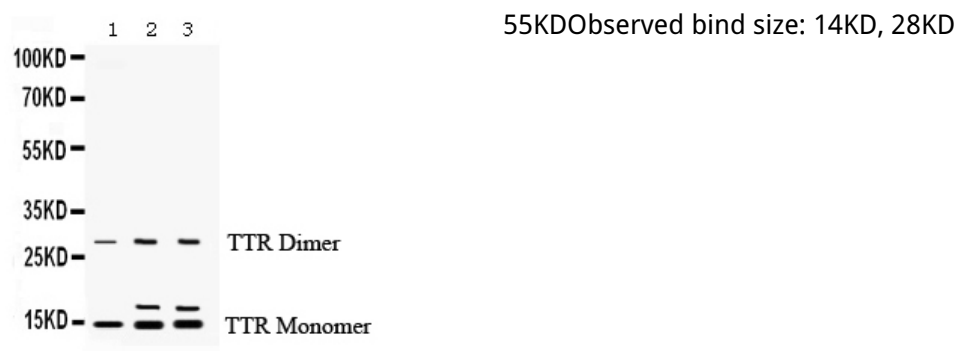


Anti- Prealbumin Picoband antibody,
ABO12436,IHC(P)IHC(P): Mouse Pancreas Tissue



Anti- Prealbumin Picoband antibody,
ABO12436,IHC(P)IHC(P): Rat Kidney Tissue

Anti- Prealbumin Picoband antibody, ABO12436, Western blotting
All lanes: Anti Prealbumin (ABO12436) at 0.5ug/ml
Lane 1: Rat Liver Tissue Lysate at 50ug
Lane 2: Mouse Liver Tissue Lysate at 50ug
Lane 3: Mouse Testis Tissue Lysate at 50ug
Predicted bind size: 14KD, 28KD,



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