

Anti-Prealbumin Picoband Antibody

Catalog # ABO12435

Product Information

Application	WB, IHC-P
Primary Accession	P02766
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Transthyretin(TTR) detection. Tested with WB, IHC-P in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	7276
Other Names	Transthyretin, ATTR, Prealbumin, TBPA, TTR, PALB
Calculated MW	15887
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Secreted. Cytoplasm.
Tissue Specificity	Detected in serum and cerebrospinal fluid (at protein level). Highly expressed in choroid plexus epithelial cells. Detected in retina pigment epithelium and 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 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.
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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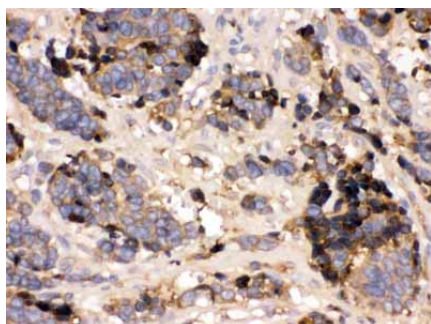
Protein Information

Name	TTR
Synonyms	PALB
Function	Thyroid hormone-binding protein. Probably transports thyroxine from the bloodstream to the brain.
Cellular Location	Secreted. Cytoplasm.
Tissue Location	Detected in serum and cerebrospinal fluid (at protein level). Highly expressed in choroid plexus epithelial cells Detected in retina pigment epithelium and liver

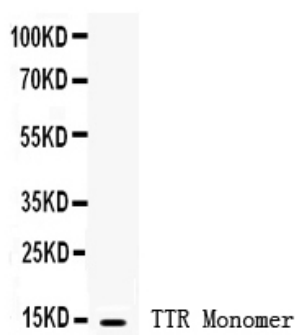
Background

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, ABO12435, IHC(P) IHC(P): Human Lung Cancer Tissue



Anti- Prealbumin Picoband antibody, ABO12435, Western blotting All lanes: Anti Prealbumin (ABO12435) at 0.5ug/ml WB: Human Blood Lysate at 50ug Predicted bind size: 14KD Observed bind size: 14KD