

Anti-Prealbumin Picoband Antibody
Catalog # ABO12435**Specification****Anti-Prealbumin Picoband Antibody - Product Information**

Application	IHC, WB
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.

Anti-Prealbumin Picoband Antibody - Additional Information

Gene ID 7276

Other Names

Transthyretin, ATTR, Prealbumin, TBPA, TTR, PALB

Calculated MW

15887 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

Western blot, 0.1-0.5 µg/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. .

Protein Name

Transthyretin

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

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.

Anti-Prealbumin Picoband Antibody - 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

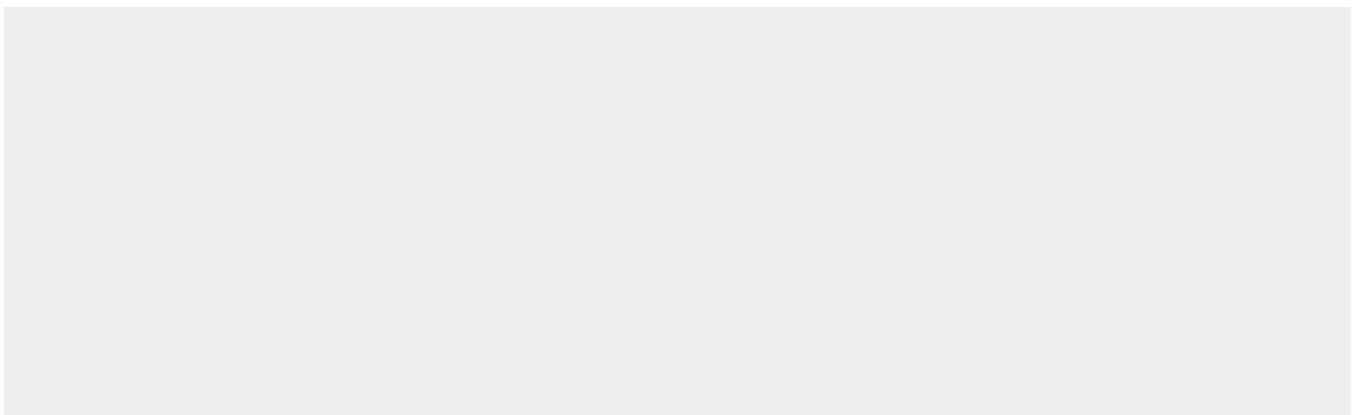
Detected in serum and cerebrospinal fluid (at protein level). Highly expressed in choroid plexus epithelial cells Detected in retina pigment epithelium and liver

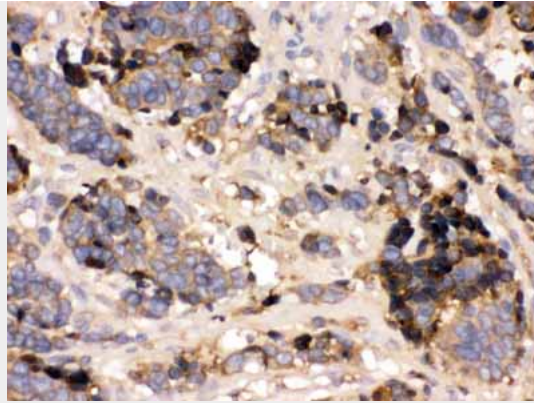
Anti-Prealbumin Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

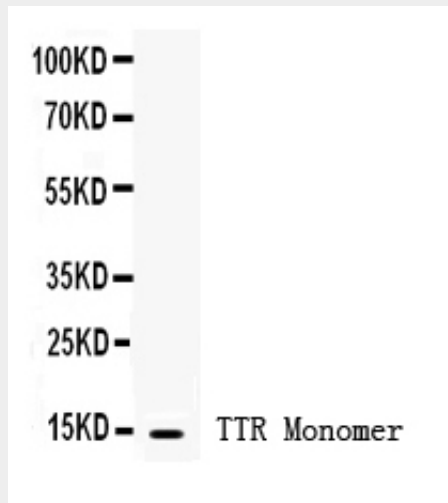
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Prealbumin Picoband Antibody - 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

Anti-Prealbumin Picoband Antibody - 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.