

## **Anti-Prealbumin Picoband Antibody**

Catalog # ABO12435

# **Specification**

# **Anti-Prealbumin Picoband Antibody - Product Information**

Application WB, IHC-P
Primary Accession P02766
Host 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<br/>br>Western blot, 0.1-0.5 μg/ml, Human<br/>br>

#### **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 NaN3.

## **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 r°Constitution, 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

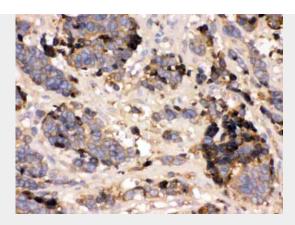
# **Anti-Prealbumin Picoband Antibody - Protocols**

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

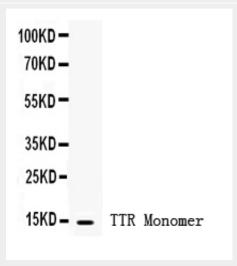
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-Prealbumin Picoband Antibody - Images





Anti- Prealbumin Picoband antibody, ABO12435,IHC(P)IHC(P): Human Lung Cancer Tissue



Anti- Prealbumin Picoband antibody, ABO12435, Western blottingAll lanes: Anti Prealbumin (ABO12435) at 0.5ug/mlWB: Human Blood Lysate at 50ugPredicted bind size: 14KDObserved 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.