

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

Anti-Prealbumin Picoband Antibody - 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.

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 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 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.

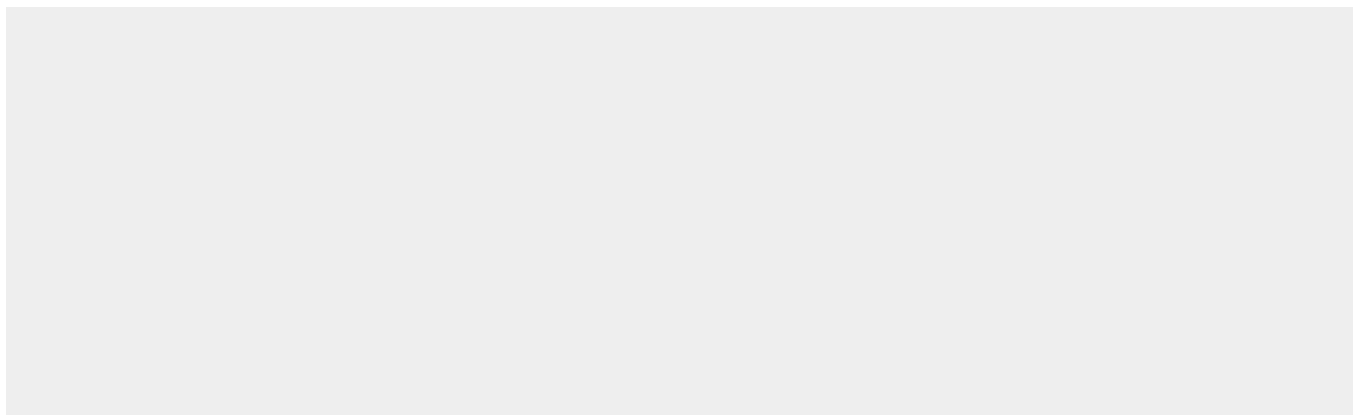
Tissue Location

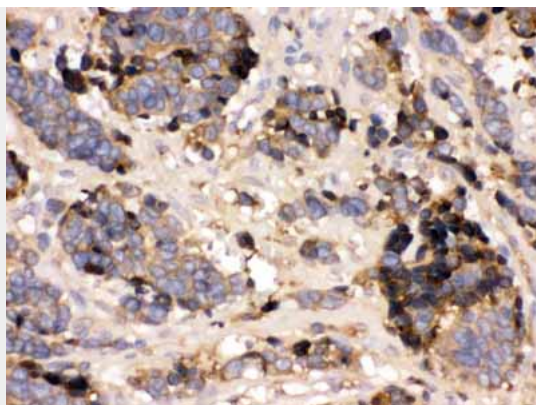
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Anti-Prealbumin Picoband Antibody - Protocols

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.