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Datasheet for ABIN3042346  
**anti-TTR antibody (AA 21-147)**

4 Images

Overview

Quantity:	100 µg
Target:	TTR
Binding Specificity:	AA 21-147
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TTR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Transthyretin(TTR) detection. Tested with WB, IHC-P in Mouse,Rat.
Immunogen:	E.coli-derived rat Prealbumin recombinant protein (Position: G21-N147). Rat Prealbumin shares 94.5% amino acid (aa) sequence identity with mouse Prealbumin.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Transthyretin(TTR) detection. Tested with WB, IHC-P in Mouse,Rat. Gene Name: transthyretin Protein Name: Transthyretin
Purification:	Immunogen affinity purified.

## Target Details

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Target:	TTR
Alternative Name:	TTR ( <a href="#">TTR Products</a> )
Background:	<p>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.</p> <p>Synonyms: Amyloid polyneuropathy antibody Amyloidosis I antibody ATTR antibody Carpal tunnel syndrome 1 antibody CTS antibody CTS1 antibody  Dysprealbuminemic euthyroidal hyperthyroxinemia antibody Dystransthyretinemic hyperthyroxinemia antibody Epididymis luminal protein 111 antibody HEL111 antibody HsT2651 antibody PALB antibody Prealbumin amyloidosis type I antibody Prealbumin antibody Prealbumin Thyroxine-binding antibody Senile systemic amyloidosis antibody TBPA antibody Thyroxine binding prealbumin antibody Transthyretin antibody TTHY_HUMAN antibody TTR antibody TTR protein antibody</p>
Gene ID:	24856
UniProt:	<a href="#">P02767</a>
Pathways:	<a href="#">Hormone Transport</a>

## Application Details

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Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, Rat</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

## Handling

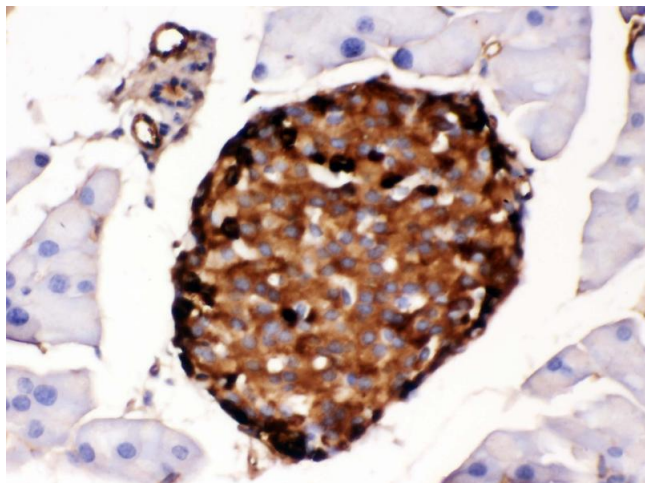
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	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.

## Validation report #103590 for Western Blotting (WB)



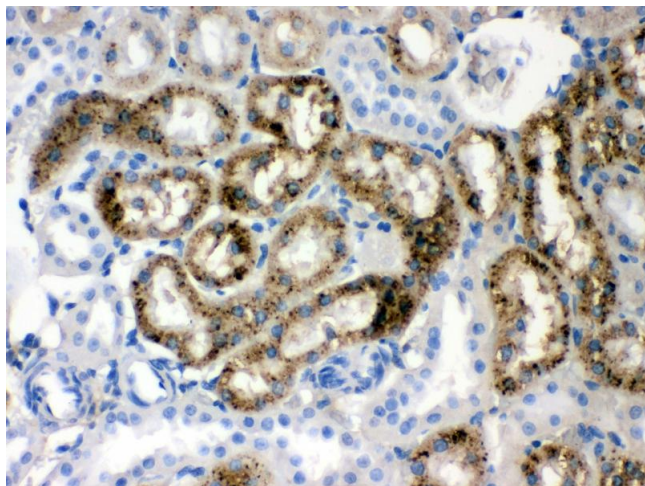
### Western Blotting

**Image 1.** Observed bind size: 16KD



#### Immunohistochemistry

**Image 2.** Anti- Prealbumin Picoband antibody,IHC(P) IHC(P):  
Mouse Pancreas Tissue



#### Immunohistochemistry

**Image 3.** Anti- Prealbumin Picoband antibody,IHC(P) IHC(P):  
Rat Kidney Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3042346.