

**TTR Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2046a****Specification****TTR Antibody - Product Information**

Application	E, WB, IF, FC, IHC
Primary Accession	<a href="#">P02766</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	15.9kDa KDa

**Description**

This gene encodes transthyretin, one of the three prealbumins including alpha-1-antitrypsin, transthyretin and orosomucoid. Transthyretin is a carrier protein; it transports thyroid hormones in the plasma and cerebrospinal fluid, and also transports retinol (vitamin A) in the plasma. The protein consists of a tetramer of identical subunits. More than 80 different mutations in this gene have been reported; most mutations are related to amyloid deposition, affecting predominantly peripheral nerve and/or the heart, and a small portion of the gene mutations is non-amyloidogenic. The diseases caused by mutations include amyloidotic polyneuropathy, euthyroid hyperthyroxinaemia, amyloidotic vitreous opacities, cardiomyopathy, oculoleptomeningeal amyloidosis, meningocerebrovascular amyloidosis, carpal tunnel syndrome, etc. [provided by RefSeq, Jan 2009]

**Immunogen**

Purified recombinant fragment of human TTR (AA: 1-147) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**TTR Antibody - Additional Information**

**Gene ID** 7276

**Other Names**

Transthyretin, ATTR, Prealbumin, TBPA, TTR, PALB

**Dilution**

E~~1/10000  
WB~~1/500 - 1/2000  
IF~~1/200 - 1/1000  
FC~~1/200 - 1/400  
IHC~~1/200 - 1/1000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TTR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**TTR 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

**TTR 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](#)