

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

Application	E, WB, IF, FC, IHC
Primary Accession	P02766
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](#)