

TTR Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6698c**Specification****TTR Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P02766](#)**TTR Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 7276**Other Names**

Transthyretin, ATTR, Prealbumin, TBPA, TTR, PALB

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6698c](/products/AP6698c) was selected from the Center region of human TTR. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TTR Antibody (Center) Blocking Peptide - Protein Information**Name** TTR**Synonyms** PALB**TTR Antibody (Center) Blocking Peptide - Background**

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.

TTR Antibody (Center) Blocking Peptide - References

Lee, K.W., Biochem. Biophys. Res. Commun. 388 (2), 256-260 (2009)

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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)