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TTR Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2046a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	P02766
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2E10C5
Isotype	IgG1
Calculated MW	15887
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

Additional Information

Gene ID	7276
Other Names	Transthyretin, ATTR, Prealbumin, TBPA, TTR, PALB
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000
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.

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

References

J Biol Chem. 2013 Nov 1;288(44):31752-60.Clin Exp Rheumatol. 2013 May-Jun;31(3):394-9.

Images