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Datasheet for ABIN6940816 anti-TTR antibody

3 Images



#### Overview

Quantity:	100 µg
Target:	TTR
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TTR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat)

## Product Details

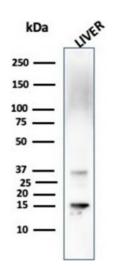
Immunogen:	Recombinant human full-length protein
Clone:	CPTC-TTR-1
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	TTR
Alternative Name:	TTR (TTR Products)
Background:	Prealbumin, also designated transthyretin, is a major thyroid-hormone binding protein involved in transporting thyroxine from the bloodstream to the brain. Prealbumin is located in the
	cytoplasm and in the vesicles of developing rat brain cells, and is thought to be transported
	there from the cerebrospinal fluid via endocytosis. Sequence variants of this protein have been

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	identified in amyloid fibrils from patients with familial amyloidotic polyneuropathy (FAP), the
	most common form of hereditary systemic amyloidosis. Although the biologically active form
	of Prealbumin is a tetramer, the amyloidogenic intermediate is thought to be a monomeric
	species. Prealbumin also binds to the retinol carrier protein RBP (retinol-binding protein).
Molecular Weight:	15kDa
Gene ID:	7276
UniProt:	P02766
Pathways:	Hormone Transport
Application Details	
Application Notes:	Positive Control: HepG2, Pancreas and liver.
	Known Application: ELISA (For coating, order Ab without BSA), Western Blot (1-2 $\mu$
	g/mL)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody
	is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

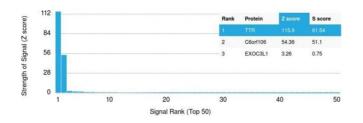


#### Western Blotting

**Image 1.** Western Blot Analysis of Liver tissue lysate using Transthyretin Mouse Monoclonal Antibody (CPTC-TTR-1).

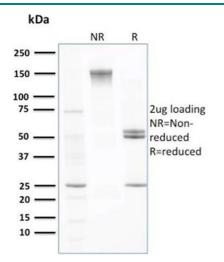
#### **Protein Array**

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Transthyretin (Prealbumin) Mouse Monoclonal Antibody (CPTC-TTR-1). Zand S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. Sscore therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



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### Images



#### SDS-PAGE

**Image 3.** SDS-PAGE Analysis Purified Transthyretin Mouse Monoclonal Antibody (CPTC-TTR-1). Confirmation of Purity and Integrity of Antibody.

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