

Mouse Anti-Prealbumin/Transthyretin [MD404]: MC0662, MC0662RTU7

Intended Use: For Research Use Only

Description: Prealbumin/Transthyretin/TTR is a hormone-binding protein that participates in the plasma transport of both thyroxine and retinol (vitamin A). Transthyretin concentrations are disproportionately high in human ventricular CSF. It is reported to be either selectively transported across or synthesized within the blood-CSF barrier. Over 80 different disease-causing mutations in transthyretin have been reported. The vast majority is inherited in an autosomal dominant manner and is related to amyloid deposition, affecting predominantly peripheral nerve and/or the heart. A small portion of transthyretin mutations are apparently non-amyloidogenic. The human amyloid disorders, familial amyloid polyneuropathy, familial amyloid cardiomyopathy and senile systemic amyloidosis, are caused by insoluble transthyretin fibrils. Transthyretin has a structural complementarity to double-helical DNA, where the proposed binding site is composed of two symmetry-related beta-sheets containing a pair of helically disposed arms.

Specifications

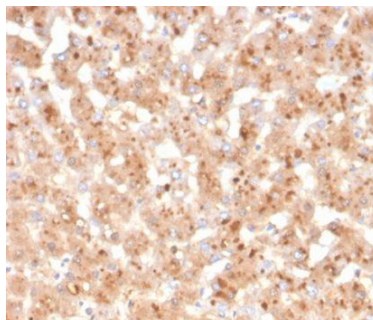
Clone:	MD404
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Recombinant human Prealbumin full-length protein
Localization:	Cytoplasm, secreted
Formulation:	Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC, WB
Package:	

Description	Catalog No.	Size
Prealbumin/Transthyretin Concentrated	MC0662	1 ml
Prealbumin/Transthyretin Prediluted	MC0662RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Liver, pancreas, kidney, hepatocellular carcinoma, seminoma, Leydig cells
Concentrated Dilution:	25-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human liver stained with anti-Prealbumin using DAB

References:

1. Prealbumin: The clinical utility and analytical methodologies. Ruvini NK Ranasinghe, et al. May 19, 2020.
2. Transthyretin (Prealbumin) and the Ambiguous Nature of Malnutrition. Jessica L Lee MD, et al. Journal of Hospital Medicine. 01 April 2019.
3. Transthyretin (prealbumin) in health and disease: nutritional implications. Y Ingenbleek, et al. Annu Rev Nutr. 14:495-533, 1994.

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