

anti-Human Prealbumin Polyclonal Antibody | anti-TTR antibody

Anti-Prealbumin Antibody

CATALOG # AAA46307	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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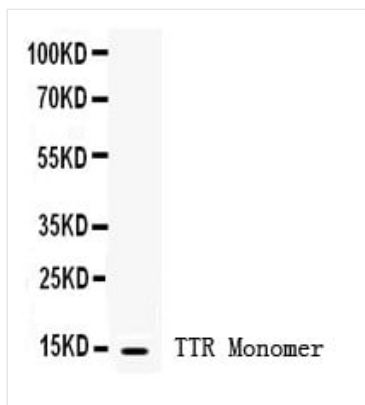
PRODUCT SYNONYMS

Prealbumin; Polyclonal Antibody; Anti-Prealbumin Antibody; Transthyretin; Amyloid polyneuropathy; Amyloidosis I; ATTR; Carpal tunnel syndrome 1; CTS; CTS1; Dysprealbuminemic euthyroidal hyperthyroxinemia; Dystransthyretinemic hyperthyroxinemia; Epididymis luminal protein 111; HEL111; HsT2651; PALB; Prealbumin amyloidosis type I; Prealbumin Thyroxine-binding; Senile systemic amyloidosis; TBPA; Thyroxine binding prealbumin; TTHY_HUMAN; TTR; TTR protein; transthyretin; anti-TTR antibody

PRODUCT SPECIFICATIONS

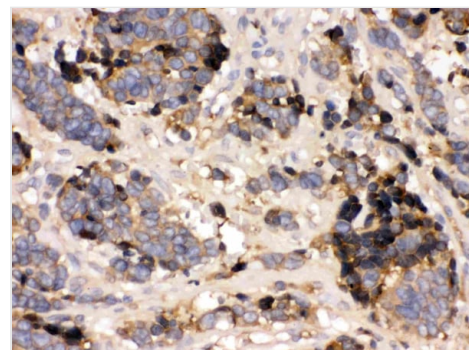
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	147
Applicable Applications for anti-TTR antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Prealbumin recombinant protein (Position: G21-E147). Human Prealbumin shares 81% and 83.3% amino acid (aa) sequence identity with mouse and rat Prealbumin, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- Prealbumin Picoband antibody, AAA46307, Western blottingAll lanes: Anti Prealbumin (AAA46307) at 0.5ug/mlWB: Human Blood Lysate at 50ugPredicted bind size: 14KDObserved bind size: 14KD



IHC (Immunohistochemistry)

Anti- Prealbumin Picoband antibody, AAA46307,IHC(P)IHC(P): Human Lung Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-TTR antibody	Description: Rabbit IgG polyclonal antibody for Transthyretin(TTR) detection. Tested with WB, IHC-P in Human. Background: Transthyretin (TTR) is also known as prealbumin. It is mapped to chromosome region 18q11.2-q12.1. This gene encodes a carrier protein responsible for the transport of thyroid hormones and retinol. The protein consists of a tetramer of identical subunits. Due to increased stability of the tetramer form of this encoded protein in mouse, compared to the human protein, this gene product has a reduced tendency to form amyloid fibrils. In humans, this protein binds beta-amyloid preventing its aggregation and providing a neuroprotective role in Alzheimer's disease.
References	1. Benson, M. D., Dwulet, F. E. Identification of carriers of a variant plasma prealbumin (transthyretin) associated with familial amyloidotic polyneuropathy type I. J. Clin. Invest. 75: 71-75, 1985. 2. Sparkes, R. S., Sasaki, H., Mohandas, T., Yoshioka, K., Klisak, I., Sakaki, Y., Heinzmann, C., Simon, M. I. Assignment of the prealbumin (PALB) gene (familial amyloidotic polyneuropathy) to human chromosome region 18q11.2-q12.1. Hum. Genet. 75: 151-154, 1987.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507725
NCBI GeneID	7276
NCBI Accession #	NP_000362.1
NCBI GenBank Nucleotide #	NM_000371.3
UniProt Accession #	P02766; Q549C7; Q6IB96; Q9UBZ6; Q9UCM9
Molecular Weight	15,887 Da
NCBI Official Full Name	transthyretin
NCBI Official Synonym Full Names	transthyretin
NCBI Official Symbol	TTR
NCBI Official Synonym Symbols	CTS; CTS1; PALB; TBPA; HEL111; HsT2651
NCBI Protein Information	transthyretin
UniProt Protein Name	Transthyretin
UniProt Gene Name	TTR
UniProt Synonym Gene Names	PALB
UniProt Entry Name	TTHY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.