bs-0152R **[Primary Antibody]**

TTR/TTR/Prealbumin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7276

Target: TTR/Prealbumin

Immunogen: KLH conjugated synthetic peptide derived from human Transthyretin: 51-147/147.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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]

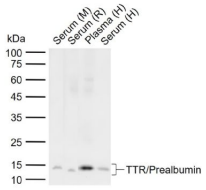
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat

Predicted MW.: 14 kDa

Subcellular Location: Secreted ,Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Mouse Serum Lane 2: Rat Serum Lane 3: Human Plasma Lane 4: Human Serum Primary: Anti-TTR/Prealbumin (bs-0152R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14 kDa Observed band size: 14 kDa

SELECTED CITATIONS

- **[IF=4.5]** Yan Shu. et al. Bioaccumulation and Thyroid Endcrione Disruption of 2-Ethylhexyl Diphenyl Phosphate at Environmental Concentration in Zebrafish Larvae. AQUAT TOXICOL. 2023 Dec;:106815 WB ;Zebrafish. 10.1016/j.aquatox.2023.106815
- **[IF=4.872]** Dong X et al. PM2.5 disrupts thyroid hormone homeostasis through activation of the hypothalamic-pituitary-thyroid (HPT) axis and induction of hepatic transthyretin in female rats 2.5Ecotoxicol Environ Saf.2021 Jan 15;208:111720. IHC,WB ;Rat. 33396051
- **[IF=4.1]** Herrick-Davis, Katharine, et al. "Native Serotonin 5-HT2C Receptors are Expressed as Homodimers on the

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Apical Surface of Choroid Plexus Epithelial Cells." Molecular Pharmacology (2015): mol-114. Other ;Rat. 25609374

- **[IF=4.223]** Dong, Xinwen. et al. Protective effects of curcumin against thyroid hormone imbalance after gas explosion-induced traumatic brain injury via activation of the hypothalamic-pituitary-thyroid axis in male rats. ENVIRON SCI POLLUT R. 2022 May;:1-13 WB,IHC ;Rat. 35641736
- **[IF=3.738]** Zhou, Can-Can. et al. Lead Exposure in Developmental Ages Promotes Aβ Accumulation by Disturbing Aβ Transportation in Blood-Cerebrospinal Fluid Barrier/Blood–Brain Barriers and Impairing Aβ Clearance in the Liver. 2021 Nov 17 IHC ;Rat. 34787833

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