

Datasheet for ABIN7602019
anti-SERPINA7 antibody (AA 55-389)



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Overview

Quantity:	100 µg
Target:	SERPINA7
Binding Specificity:	AA 55-389
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SERPINA7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Thyroxine Binding Globulin/SERPINA7 Antibody Picoband®
Immunogen:	E.coli-derived human Thyroxine Binding Globulin/SERPINA7 recombinant protein (Position: R55-R389).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Thyroxine Binding Globulin/SERPINA7 Antibody Picoband® (ABIN7602019). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SERPINA7
Alternative Name:	SERPINA7 (SERPINA7 Products)
Background:	Synonyms: CD3 antigen, epsilon polypeptide, CD3e molecule, Cd3e, Cd3e_predicted, rCG_58471 Background: Thyroxine-binding globulin (TBG) is a globulin protein that in humans is encoded by the SERPINA7 gene. There are three proteins including thyroxine-binding globulin (TBG), transthyretin and albumin responsible for carrying the thyroid hormones thyroxine (T4) and 3,5,3'-triiodothyronine (T3) in the bloodstream. This gene encodes the major thyroid hormone transport protein, TBG, in serum. It belongs to the serpin family in genomics, but the protein has no inhibitory function like many other members of the serpin family. Mutations in this gene result in TGB deficiency, which has been classified as partial deficiency, complete deficiency, and excess, based on the level of serum TBG. Alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of these variants has not been determined.
Molecular Weight:	50 kDa
Gene ID:	6906
UniProt:	P05543
Pathways:	Hormone Transport

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bertenshaw, R., Takeda, K., Refetoff, S. Sequencing of the variant thyroxine-binding globulin (TBG)-Quebec reveals two nucleotide substitutions. Am. J. Hum. Genet. 48: 741-744, 1991. 2. Buchanan, B. D., Hagen, G. A. Elevated thyroxine-binding globulin with X chromosome linked inheritance. Clin. Endocr. 11: 665-669, 1979. 3. Burr, W. A., Ramsden, D. B., Hoffenberg, R. Hereditary abnormalities of thyroxine-binding globulin concentration: a study of 19 kindreds with inherited increase or decrease of thyroxine-binding globulin. Quart. J. Med. 49: 295-313, 1980.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.