Datasheet for ABIN7599918

anti-TTC39B antibody (AA 129-682)

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Overview

Quantity:	100 µg
Target:	TTC39B
Binding Specificity:	AA 129-682
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TTC39B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-TTC39B Antibody Picoband®
Immunogen:	E.coli-derived human TTC39B recombinant protein (Position: K129-D682).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-TTC39B Antibody Picoband® (ABIN7599918). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. 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:	TTC39B
Alternative Name:	TTC39B (TTC39B Products)
Background:	Synonyms: RNA-binding protein 47,RNA-binding motif protein 47,RBM47, Tissue Specificity: Abundantly expressed in tonsil, lymph node, and trachea, strong expression in prostate, lower expression in thyroid, stomach, and colon. . Background: Tetratricopeptide repeat protein 39B is a protein that in humans is encoded by the TTC39B gene. TTC39B protein contains two TPR repeats (aa 39 3-426 and 626 -659). TCC39B protein is the product of a high density lipoprotein (HDL) gene that promotes the ubiquitination and degradation of liver X receptor (LXR). TTC39B null or deficient mice challenged with high fat/cholesterol/bile salt diet exhibit increased LX R protein and target gene expression. TTC39B deficiency is reported to stabilize LXR by reducing its polyubiquitination and proteasomal degradation. Hence it reduces the incidence of atherosclerosis and steatohepatitis. TTC39B deficiency mice display higher levels of HDL and Apoplipoprotein A-1 and lower levels of hepatic triglyceride synthesis.However it does not affect glucose tolerance or hepatic gluconeogenesis.
Molecular Weight:	70 kDa
Gene ID:	158219

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Hartz, P. A. Personal Communication. Baltimore, Md. 10/1/2010. 2. Hsieh, J., Koseki, M., Molusky, M. M., Yakushiji, E., Ichi, I., Westerterp, M., Iqbal, J., Chan, R. B., Abramowicz, S., Tascau, L., Takiguchi, S., Yamashita, S., Welch, C. L., Di Paolo, G., Hussain, M. M., Lefkowitch, J. H., Rader, D. J., Tall, A. R. TTC39B deficiency stabilizes LXR reducing both atherosclerosis and steatohepatitis. Nature 535: 303-307, 2016. 3. Teslovich, T. M., Musunuru, K., Smith, A. V., Edmondson, A. C., Stylianou, I. M., Koseki, M., Pirruccello, J. P., Ripatti, S., Chasman, D. I., Willer, C. J., Johansen, C. T., Fouchier, S. W., and 197 others. Biological, clinical and population relevance of 95 loci for blood lipids. Nature 466: 707-713, 2010.
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 Na2HPO4.
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.