

Rabbit TTC39B Polyclonal Antibody | anti-TTC39B antibody

Anti-TTC39B Antibody Picoband

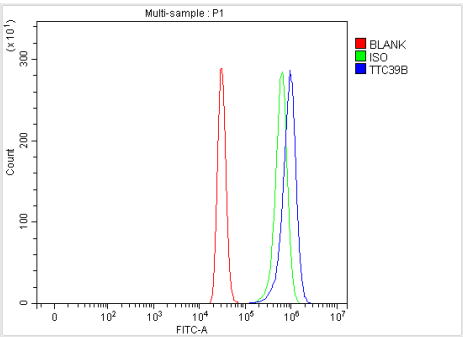
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127804	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

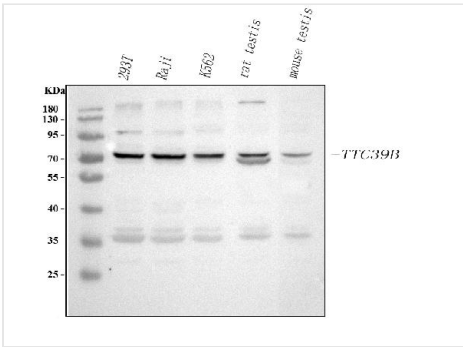
TTC39B; Polyclonal Antibody; Anti-TTC39B Antibody Picoband; Follicular dendritic cell secreted peptide; RNA-binding protein 47; RNA-binding motif protein 47; RBM47; anti-TTC39B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Abundantly expressed in tonsil, lymph node, and trachea; strong expression in prostate; lower expression in thyroid, stomach, and colon.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-TTC39B antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human TTC39B recombinant protein (Position: K129-D682).
Subcellular Localization	Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Protein Function	Can bind to the surface of B-lymphoma cells, but not T- lymphoma cells, consistent with a function as a secreted mediator acting upon B-cells.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HepG2 cells using anti-TTC39B antibody (AAA127804).Overlay histogram showing HepG2 cells stained with AAA127804 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TTC39B Antibody (AAA127804, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of TTC39B using anti-TTC39B antibody (AAA127804).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates,Lane 2: human Raji whole cell lysates,Lane 3: human K562 whole cell lysates,Lane 4: rat testis tissue lysates,Lane 5: mouse testis tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TTC39B antigen affinity purified polyclonal antibody (#AAA127804) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TTC39B at approximately 70 kDa. The expected band size for TTC39B is at 70 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TTC39B antibody	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.
Product Categories/Family for anti-TTC39B antibody	Primary Antibodies; Chromatin Binding Proteins; DNA/RNA Binding; Epigenetics and Nuclear Signaling
References	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., Tascu, L., Takiguchi, S., Yamashita, S., Welch, C. L., Di Paolo, G., Hussain, M. M., Lefkowitz, 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	270265883
NCBI GeneID	158219
NCBI Accession #	NP_001161811
NCBI GenBank Nucleotide #	NM_001168339
UniProt Accession #	Q5VTQ0; Q8IVR7; Q8IXZ6; Q8N267; A5PLN1; B4DQ10; B4DQX4; B4DW93
Molecular Weight	22,955 Da
NCBI Official Full Name	tetratricopeptide repeat protein 39B isoform 2
NCBI Official Synonym Full Names	tetratricopeptide repeat domain 39B
NCBI Official Symbol	TTC39B

NCBI Official Synonym Symbols	C9orf52
NCBI Protein Information	tetratricopeptide repeat protein 39B; TPR repeat protein 39B
UniProt Protein Name	Tetratricopeptide repeat protein 39B
UniProt Gene Name	TTC39B
UniProt Synonym Gene Names	C9orf52; TPR repeat protein 39B
UniProt Entry Name	TT39B_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ttc39b-antibody-flow-cytometry-western-blot-elisa/127804>