

Rabbit anti-Human TTC39A Polyclonal Antibody | anti-TTC39A antibody

Anti-TTC39A Antibody Picoband

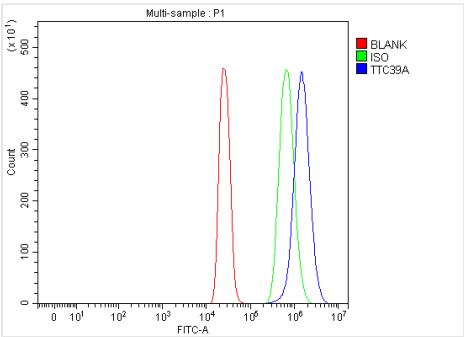
CATALOG # AAA127885	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

TTC39A; Polyclonal Antibody; Anti-TTC39A Antibody Picoband; Transmembrane protein 240; kelch repeat and BTB domain containing 2; Kelch repeat and BTB domain-containing protein 2; BTB and kelch domain-containing protein 1; KBTBD2; BKLHD1; KIAA1489; anti-TTC39A antibody

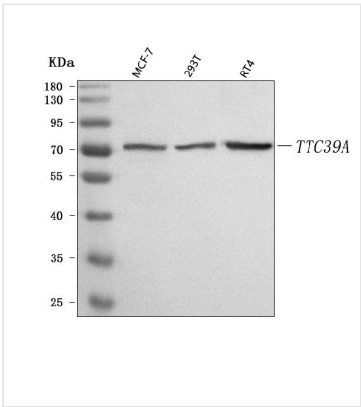
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine 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-TTC39A antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human TTC39A recombinant protein (Position: E18-E489).
Subcellular Localization	Cul3-RING ubiquitin ligase complex
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	Required for DNA double-strand breaks (DSBs) formation in unsynapsed regions during meiotic recombination. Probably acts by forming a complex with MEI4 and REC114, which activates DSBs formation in unsynapsed regions, an essential step to ensure completion of synapsis. Not required for HORMAD1 functions in pairing-independent synaptonemal complex formation, ATR recruitment to unsynapsed axes, meiotic silencing of unsynapsed chromatin (MSUC) or meiotic surveillance.
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 293T cells using anti-TTC39A antibody (AAA127885).Overlay histogram showing 293T cells stained with AAA127885 (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-TTC39A Antibody (AAA127885, 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 TTC39A using anti-TTC39A antibody (AAA127885).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 MCF-7 whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: human RT4 whole cell 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-TTC39A antigen affinity purified polyclonal antibody (#AAA127885) 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 TTC39A at approximately 72 kDa. The expected band size for TTC39A is at 70 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TTC39A 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-TTC39A antibody	Primary Antibodies; Cell Biology
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 5/24/2022.2. Seki, N., Ohira, M., Nagase, T., Ishikawa, K., Miyajima, N., Nakajima, D., Nomura, N., Ohara, O. Characterization of cDNA clones in size-fractionated cDNA libraries from human brain. DNA Res. 4: 345-349, 1997.

NCBI AND UNIPROT INFORMATION

NCBI GI #	122937436
NCBI GeneID	22996
NCBI Accession #	NP_001073963.1
NCBI GenBank Nucleotide #	NM_001080494.3
UniProt Accession #	Q5SRH9; O43417; O75040; Q5SRH5; Q5SRH6; Q5SRH7; Q5SRH8; Q5SRI0; Q5SRI1; B7Z782; E7EQY9; G3XAF8
Molecular Weight	69,778 Da
NCBI Official Full Name	tetratricopeptide repeat protein 39A isoform 2
NCBI Official Synonym Full Names	tetratricopeptide repeat domain 39A
NCBI Official Symbol	TTC39A
NCBI Official Synonym Symbols	DEME-6; C1orf34

NCBI Protein Information	tetratricopeptide repeat protein 39A; TPR repeat protein 39A; differentially expressed in MCF7 with estradiol protein 6
UniProt Protein Name	Tetratricopeptide repeat protein 39A
UniProt Gene Name	TTC39A
UniProt Synonym Gene Names	C1orf34; KIAA0452; TPR repeat protein 39A; DEME-6
UniProt Entry Name	TT39A_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://www.aaabiotech.com/polyclonal/ttc39a-antibody-flow-cytometry-western-blot-elisa/127885>