

Rabbit anti-Human TTC19 Polyclonal Antibody | anti-TTC19 antibody

Anti-TTC19 Antibody, Rabbit Polyclonal

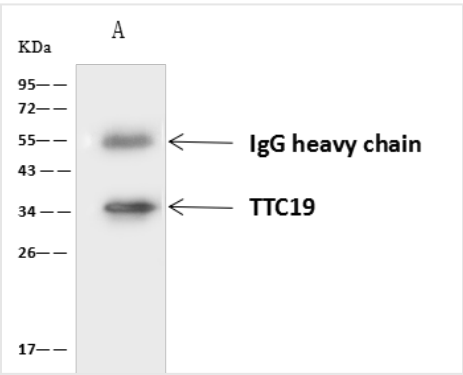
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256465	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

TTC19; Polyclonal Antibody; Anti-TTC19 Antibody; Rabbit Polyclonal; TTC19 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-2010204O13Rik Antibody; Anti-MC3DN2 Antibody; anti-TTC19 antibody

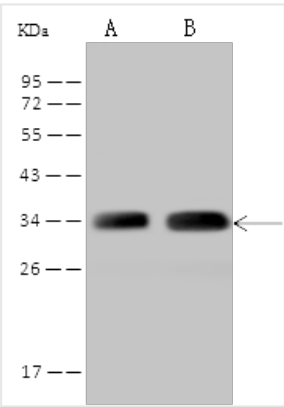
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TTC19
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TTC19 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human TTC19 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human TTC19 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

TTC19 was immunoprecipitated using: Lane A: 0.5 mg U-251MG Whole Cell Lysate 4 uL anti-TTC19 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-TTC19 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 42 kDa. Observed band size: 34 kDa.



WB (Western Blot)

Anti-TTC19 rabbit polyclonal antibody at 1:500 dilution. Lane A: HT-1080 Whole Cell Lysate. Lane B: U-251 MG Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 42 kDa. Observed band size: 34 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TTC19 antibody	TTC19 (tetra-tricopeptide repeat domain 19, also known as FLJ20343 and MGC19520) is involved in the preservation of mitochondrial complex III, which is responsible for transfer of electrons from reduced coenzyme Q to cytochrome C and thus, contributes to the formation of electrochemical potential and subsequent ATP generation. This electron transfer powers the extrusion of protons across the inner mitochondrial membrane and thereby contributes to the mitochondrial electrochemical potential. TTC19 allows the physiological turnover of the Rieske protein and the preservation of complex III function. Loss-of-function mutations in TTC19 have been associated with severe neurological phenotypes and mitochondrial respiratory chain complex III deficiency.
References	Habibzadeh P, et al. (2019) A novel ttc19 mutation in a patient with neurological, psychological, and gastrointestinal impairment. Front Neurol 10 944. Bottani E, et al. (2017) Ttc19 plays a husbandry role on uqcrrs1 turnover in the biogenesis of mitochondrial respiratory complex iii. Mol Cell 67 (1): 96-105.e104.

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.