

Rabbit anti-Human MTFR1 Polyclonal Antibody | anti-MTFR1 antibody

Anti-MTFR1 Antibody, Rabbit Polyclonal

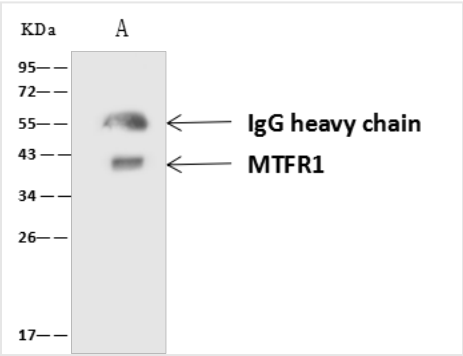
CATALOG # AAA255925	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

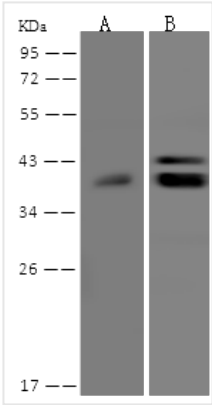
MTFR1; Polyclonal Antibody; Anti-MTFR1 Antibody; Rabbit Polyclonal; MTFR1 Antibody; Rabbit PAb; Antigen Affinity Purified; mitochondrial fission regulator 1; Anti-CHPPR Antibody; Anti-FAM54A2 Antibody; anti-MTFR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MTFR1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-MTFR1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human MTFR1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human MTFR1 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)
MTFR1 was immunoprecipitated using: Lane A: 0.5 mg HT-29 Whole Cell Lysate 4 uL anti-MTFR1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-MTFR1 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: 37 kDa. Observed band size: 40 kDa.



WB (Western Blot)
Anti-MTFR1 rabbit polyclonal antibody at 1:500 dilution. Lane A: A549 Whole Cell Lysate. Lane B: HT-29 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: 37 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MTFR1 antibody	The Mtf1 has been confirmed as a targeted gene of miR-324-5p through miRTarBase software and western blot. miR-324-5p protects against oxidative stress-induced EPCs injury by regulating Mtf1. Knocking down Mtf1 suppresses mitochondrial fission, apoptosis, and myocardial infarction. Mtf1 is a direct target of miR-324-5p, and miR-324-5p attenuates mitochondrial fission, cardiomyocyte apoptosis, and myocardial infarction by suppressing Mtf1 translation. Mtf1 (mitochondrial fission regulator 1), is a gene involved in the regulation of antioxidant activity in the mouse testis. Mtf1 protects the male gonads against oxidative stress. Mtf1/Chppr is a nuclear gene coding for a mitochondrial protein capable of inducing fission of this organelle in a sequence-specific manner.
References	Wang K, et al. (2015) Nfat4-dependent mir-324-5p regulates mitochondrial morphology and cardiomyocyte cell death by targeting mtf1. Cell Death Dis 6 (12): e2007. Monticone M, et al. (2007) Impaired expression of genes coding for reactive oxygen species scavenging enzymes in testes of mtf1/chppr-deficient mice. Reproduction 134 (3): 483-492. Chen P, et al. (2019) Mir-324-5p protects against oxidative stress-induced endothelial progenitor cell injury by targeting mtf1. J Cell Physiol 234 (12): 22082-22092.

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.