Rabbit anti-Human MTCO3 Polyclonal Antibody | anti-MT-CO3 antibody

Anti-MTCO3 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256310	**Rabbit**	**Human**	**Immunofluorescence, Immunocytochemistry, Immunohistochemistry**

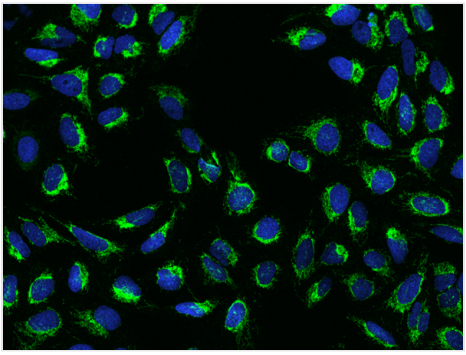
PRODUCT SYNONYMS

MTCO3; Polyclonal Antibody; Anti-MTCO3 Antibody; Rabbit Polyclonal; MTCO3 Antibody; Rabbit PAb; Antigen Affinity Purified; anti-MT-CO3 antibody

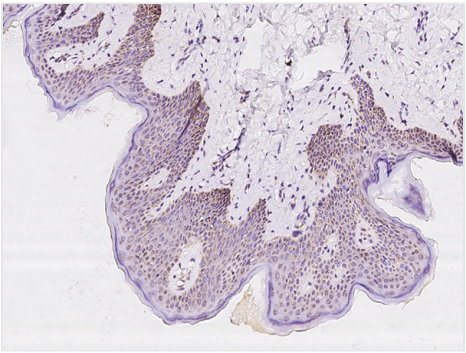
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MTCO3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-MT-CO3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human MTCO3 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human MTCO3 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.

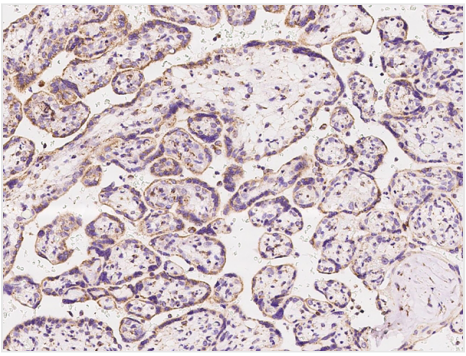
IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of MT-CO3 in U2OS cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human MT-CO3 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Cytoplasm.



IHC (Immunohiostchemistry)
Immunochemical staining of human MT-CO3 in human skin with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human MT-CO3 in human placenta with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-MT-CO3 antibody	MT-CO3 (Mitochondrially Encoded Cytochrome C Oxidase III) is located on mitochondria. The COX3 gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken, zebrafish, and frog, etc. MT-CO3 is related to cytochrome-c oxidase activity and heme-copper terminal oxidase activity. Among its related pathways are Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins and Cardiac muscle contraction. Genetic mutation in cytochrome c oxidase subunit III gene (MT-CO3) could influence the kinetics of cytochrome c oxidase (COX), which catalyzes oxygen transport capacity in oxidative phosphorylation. MT-CO3 is associated with some diseases, including Mitochondrial Complex Iv Deficiency and Mitochondrial Myopathy, Infantile, Transient.
References	Baklouti-Gargouri S, et al. (2014) Identification of a novel m.9588g>a missense mutation in the mitochondrial coiii gene in asthenozoospermic tunisian infertile men. J Assist Reprod Genet 31 (5): 595-600.

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/mtco3-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/256310