

Rabbit anti-Human MT-CO2 Polyclonal Antibody | anti-MT-CO2 antibody

Rabbit anti-MT-CO2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213212	Rabbit	Human	Immunoprecipitation, Western Blot

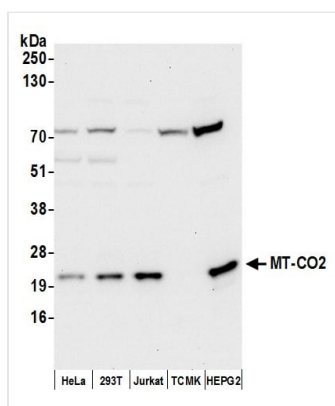
PRODUCT SYNONYMS

MT-CO2; Polyclonal Antibody; Rabbit anti-MT-CO2 Antibody; Affinity Purified; MTCO2; COII; Cytochrome c oxidase polypeptide II; Cytochrome c oxidase subunit 2; cytochrome c oxidase subunit II; anti-MT-CO2 antibody

PRODUCT SPECIFICATIONS

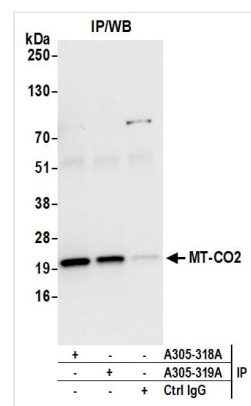
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MT-CO2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan, Gorilla, Chimpanzee
Immunogen	Between 125 and 175
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human MT-CO2 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and Hep-G2cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-MT-CO2 antibody AAA213212 (lot AAA213212-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human MT-CO2 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from Hep-G2cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-MT-CO2 antibody AAA213212 (lot AAA213212-1) used for IP at 6 ug per reaction. MT-CO2 was also immunoprecipitated by rabbit anti-MT-CO2 antibody For blotting immunoprecipitated MT-CO2, AAA213212 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-MT-CO2 antibody	Cytochrome c oxidase is the component of the respiratory chain that catalyzes the reduction of oxygen to water. Subunits 1-3 form the functional core of the enzyme complex. MT-CO2 is subunit 2 which transfers the electrons from cytochrome c via its binuclear copper A center to the bimetallic center of the catalytic subunit 1 [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P00403].
Product Categories/Family for anti-MT-CO2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	251831110
NCBI GeneID	4513
NCBI Accession #	YP_003024029.1
NCBI GenBank Nucleotide #	NC_012920.1
UniProt Accession #	P00403; Q37526
Molecular Weight	25565 MW
NCBI Official Full Name	cytochrome c oxidase subunit II (mitochondrion)
NCBI Official Synonym Full Names	mitochondrially encoded cytochrome c oxidase II
NCBI Official Symbol	MT-CO2
NCBI Official Synonym Symbols	COII; MTCO2; COX2
NCBI Protein Information	cytochrome c oxidase subunit II
UniProt Protein Name	Cytochrome c oxidase subunit 2
UniProt Gene Name	MT-CO2
UniProt Synonym Gene Names	COII; COXII; MTCO2
UniProt Entry Name	COX2_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.