

Rabbit COXI Polyclonal Antibody | anti-MT-CO1 antibody

COXI Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289554	Rabbit	Human (Predicted Reactivity: Bovine, Chicken, Zebrafish, Mouse, Pig, Rabbit, Rat, Xenopus)	Immunofluorescence, ELISA, Western Blot

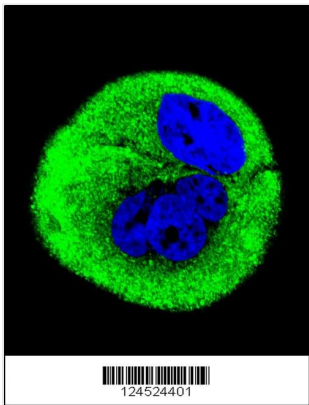
PRODUCT SYNONYMS

COXI; Polyclonal Antibody; COXI Antibody (Center); Cytochrome c oxidase subunit 1; Cytochrome c oxidase polypeptide I; MT-CO1; COI; MTCO1; anti-MT-CO1 antibody

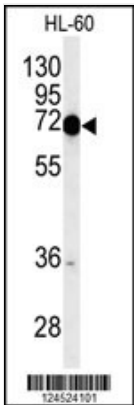
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Zebrafish, Mouse, Pig, Rabbit, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This COXI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-224 amino acids from the Central region of human COXI.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	195-224
Sequence Length	513
Applicable Applications for anti-MT-CO1 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

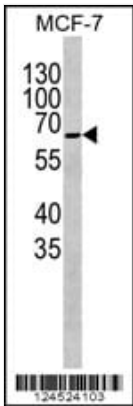
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of COXI Antibody (Center) with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of COXI Antibody (Center) in HL-60 cell line lysates (35ug/lane). COXI (arrow) was detected using the purified Pab.



WB (Western Blot)
COXI Antibody (Center) western blot analysis in MCF-7 cell line lysates. This demonstrates the COXI antibody detected the COXI protein (arrow) (Kindly provided by Dr. John Wu).

ADDITIONAL INFORMATION

Product Categories/Family for anti-MT-CO1 antibody	Cancer; Metabolism; Signal Transduction
References	Andrews, R.M., et al. Nat. Genet. 23 (2), 147 (1999) # Anderson, S., et al. Nature 290(5806):457-465(1981)

NCBI AND UNIPROT INFORMATION

NCBI GI #	251831109
NCBI GeneID	4512
NCBI Accession #	YP_003024028.1
NCBI GenBank Nucleotide #	NC_012920.1
UniProt Accession #	P00395; Q34770
Molecular Weight	57041
NCBI Official Full Name	cytochrome c oxidase subunit I (mitochondrion)
NCBI Official Synonym Full Names	mitochondrially encoded cytochrome c oxidase I
NCBI Official Symbol	MT-CO1

NCBI Official Synonym Symbols	COI; MTCO1; COX1
NCBI Protein Information	cytochrome c oxidase subunit I
UniProt Protein Name	Cytochrome c oxidase subunit 1
UniProt Gene Name	MT-CO1
UniProt Synonym Gene Names	COI; COXI; MTCO1
UniProt Entry Name	COX1_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://stage.aaabiotech.com/polyclonal/coxi-antibody-immunofluorescence-western-blot-elisa/289554>