

Rabbit COX10 Polyclonal Antibody | anti-COX10 antibody

COX10 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199518	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot

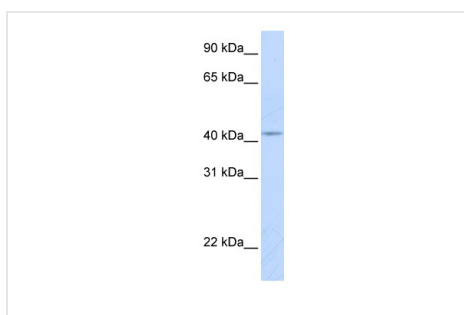
PRODUCT SYNONYMS

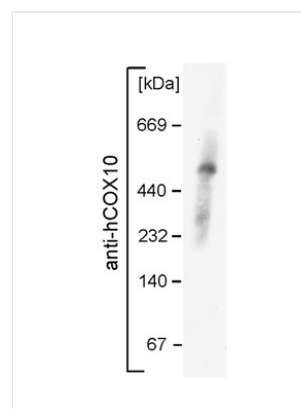
COX10; Polyclonal Antibody; COX10 antibody - middle region; anti-COX10 antibody

PRODUCT SPECIFICATIONS

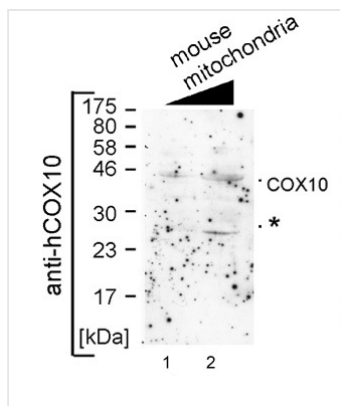
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AP GPFDWPCFLL TSVGTLGLASC AANSINQFFE VPFDSNMNRT KNRPLVRG
Sequence Length	443
Applicable Applications for anti-COX10 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human COX10
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-COX10 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: Human Lung

WB (Western Blot)

COX10 antibody - middle region validated by WB using mouse mitochondria at 1:1000.



WB (Western Blot)
COX10 antibody - middle region validated by WB using mouse mitochondria at 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-COX10 antibody	This is a rabbit polyclonal antibody against COX10. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. COX10 is heme A: farnesyltransferase, which is not a structural subunit but required for the expression of functional COX and functions in the maturation of the heme A prosthetic group of COX. This protein is predicted to contain 7-9 transmembrane domains localized in the mitochondrial inner membrane. A gene mutation, which results in the substitution of a lysine for an asparagine (N204K), is identified to be responsible for cytochrome c oxidase deficiency. In addition, this gene is disrupted in patients with CMT1A (Charcot-Marie-Tooth type 1A) duplication and with HNPP (hereditary neuropathy with liability to pressure palsies) deletion. Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes heme A: farnesyltransferase, which is not a structural subunit but required for the expression of functional COX and functions in the maturation of the heme A prosthetic group of COX. This protein is predicted to contain 7-9 transmembrane domains localized in the mitochondrial inner membrane. A gene mutation, which results in the substitution of a lysine for an asparagine (N204K), is identified to be responsible for cytochrome c oxidase deficiency. In addition, this gene is disrupted in patients with CMT1A (Charcot-Marie-Tooth type 1A) duplication and with HNPP (hereditary neuropathy with liability to pressure palsies) deletion. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-COX10 antibody	Polyclonal; Membrane Protein; Chromatin & Nuclear Signaling; Membrane & Traffic; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	17921982
NCBI GeneID	1352
NCBI Accession #	NP_001294
NCBI GenBank Nucleotide #	NM_001303
UniProt Accession #	Q12887
Molecular Weight	49kDa
NCBI Official Full Name	protoheme IX farnesyltransferase, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase assembly factor heme A: farnesyltransferase COX10

NCBI Official Symbol	COX10
NCBI Protein Information	protoheme IX farnesyltransferase, mitochondrial
UniProt Protein Name	Protoheme IX farnesyltransferase, mitochondrial
UniProt Gene Name	COX10
UniProt Entry Name	COX10_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/cox10-antibody-western-blot-elisa/199518>