

Rabbit COX7A2 Polyclonal Antibody | anti-COX7A2 antibody

COX7A2 Polyclonal Antibody

CATALOG # AAA280400	HOST Rabbit	APPLICATIONS Western Blot
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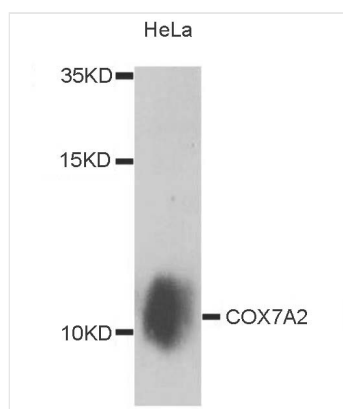
PRODUCT SYNONYMS

COX7A2; Polyclonal Antibody; COX7A2 Polyclonal Antibody; anti-COX7A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	115
Applicable Applications for anti-COX7A2 antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 33-1115 of human COX7A2.
Cross Reactivity	Human
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of HeLa cells, using COX7A2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-COX7A2 antibody	Cytochrome c oxidase, 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 three catalytic subunits encoded by mitochondrial genes, and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, while the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (liver isoform) of subunit VIIa, with this polypeptide being present in both muscle and non-muscle tissues. In addition to polypeptide 2, subunit VIIa includes polypeptide 1 (muscle isoform), which is present only in muscle tissues, and a related protein, which is present in all tissues. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 4 and 14.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	262118227
NCBI GeneID	1347
NCBI Accession #	NP_001856.2
NCBI GenBank Nucleotide #	NM_001865.3
UniProt Accession #	P14406; Q3MIH5; Q5TF59; Q6FGI2; B2R5E1
Molecular Weight	Observed MW: 11kDa Calculated MW: 9kDa
NCBI Official Full Name	cytochrome c oxidase subunit 7A2, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit VIIa polypeptide 2 (liver)
NCBI Official Symbol	COX7A2
NCBI Official Synonym Symbols	VIIAL; COX7AL; COX7AL1; COXVIIAL; COXVIIa-L
NCBI Protein Information	cytochrome c oxidase subunit 7A2, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 7A2, mitochondrial
UniProt Gene Name	COX7A2
UniProt Synonym Gene Names	COX7AL; Cytochrome c oxidase subunit VIIa-L; Cytochrome c oxidase subunit VIIaL
UniProt Entry Name	CX7A2_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.