Product Data Sheet: COX6A1

Cat. No:	AB-83898
Size:	100 ug
Clone:	poly
Concentration:	1mg/ml
Host:	RB
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 25-109 of human COX6A1.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:200 -1:1000 Immunohistochemistry: 1:20 -1:100
Molecular Weight:	12kDa
Purification:	Aff.Pur.
Synonyms:	COX6A1; CMTRID; COX6A; COX6AL; cytochrome c oxidase subunit 6A1
Background:	Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It 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 the electron transfer and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 1 (liver isoform) of subunit VIa, and polypeptide 1 is found in all non-muscle tissues. Polypeptide 2 (heart/muscle isoform) of subunit VIa is encoded by a different gene, and is present only in striated muscles. These two polypeptides share 66% amino acid sequence identity. It has been reported that there may be several pseudogenes on chromosomes 1, 6, 7q21, 7q31-32 and 12. However, only one pseudogene (COX6A1P) on chromosome 1p31.1 has been documented.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50%glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze/thaw cycles

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