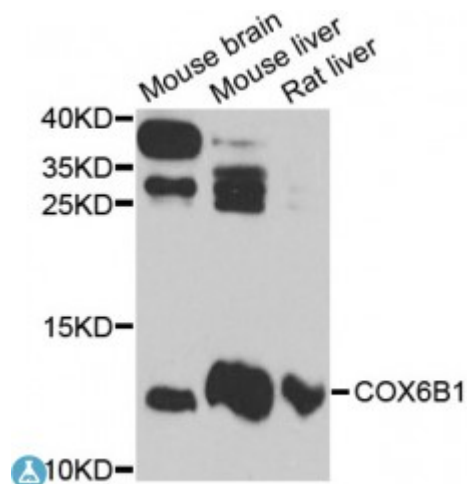


Anti-COX6B1 Antibody



Description

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 electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes subunit VIb. Mutations in this gene are associated with severe infantile encephalomyopathy. Three pseudogenes COX6BP-1, COX6BP-2 and COX6BP-3 have been found on chromosomes 7, 17 and 22q13.1-13.2, respectively.

Model	STJ114299
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-86 of human COX6B1 (NP_001854.1).
Gene ID	1340
Gene Symbol	COX6B1
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Cytochrome c oxidase subunit 6B1 Cytochrome c oxidase subunit VIb

	isoform 1 COX VIb-1
Molecular Weight	10.192 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2280OMIM:124089Reactome:R-HSA-5628897
Alternative Names	Cytochrome c oxidase subunit 6B1 Cytochrome c oxidase subunit VIb isoform 1 COX VIb-1
Function	Connects the two COX monomers into the physiological dimeric form,
Cellular Localization	Mitochondrion intermembrane space

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