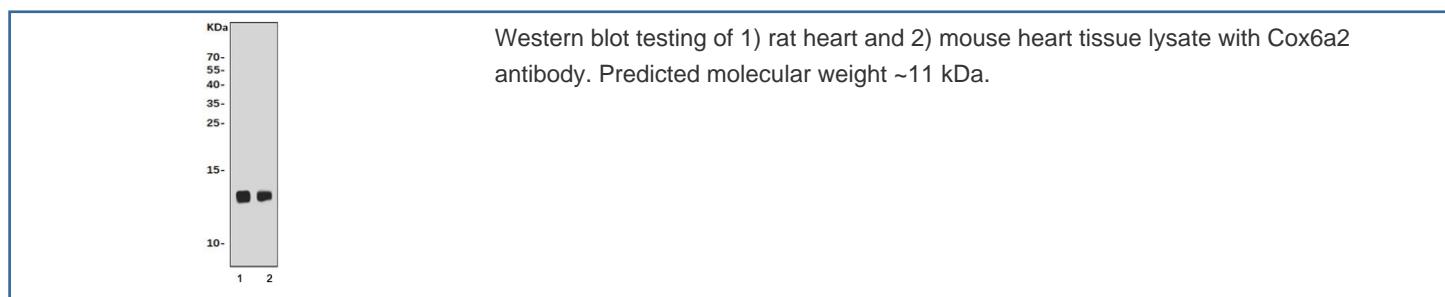


## Cox6a2 Antibody (RQ6416)

Catalog No.	Formulation	Size
RQ6416	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P43023
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Cox6a2 antibody is available for research use only.



## Description

Cytochrome c oxidase subunit VIa polypeptide 2 is a protein that in humans is encoded by the COX6A2 gene. 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 mitochondrial-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 polypeptide 2 (heart/muscle isoform) of subunit VIa, and polypeptide 2 is present only in striated muscles. Polypeptide 1 (liver isoform) of subunit VIa is encoded by a different gene, and is found in all non-

muscle tissues. These two polypeptides share 66% amino acid sequence identity.

## Application Notes

Optimal dilution of the Cox6a2 antibody should be determined by the researcher.

## Immunogen

Amino acids WMHAGHHERPEFIPYHHLR were used as the immunogen for the Cox6a2 antibody.

## Storage

After reconstitution, the Cox6a2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.