COX6A2 Polyclonal Antibody

Catalog Number: E-AB-19748



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide of human COX6A2
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4
Applications	Recommended Dilution
WB	1:500-1:2000
ELISA	1:5000-1:10000
Data	



Western blot analysis of Human muscle tissue Human heart tissue Mouse heart tissue lysates using COX6A2 Polyclonal Antibody at dilution of 1:450 **Observed Mw:Refer to figures** Calculated Mw:11 kDa

Preparation & Storage

Storage

Store at -20°C. Avoid freeze / thaw cycles.

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 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.

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