

Datasheet for ABIN653569
anti-COX6A2 antibody (AA 37-66)

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Overview

Quantity:	400 µL
Target:	COX6A2
Binding Specificity:	AA 37-66
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX6A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This COX6A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-66 amino acids from the Central region of human COX6A2.
Clone:	RB23260
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	COX6A2
Alternative Name:	COX6A2 (COX6A2 Products)
Background:	Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain,

Target Details

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.

Molecular Weight: 10815

Gene ID: 1339

NCBI Accession: [NP_005196](#)

UniProt: [Q02221](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

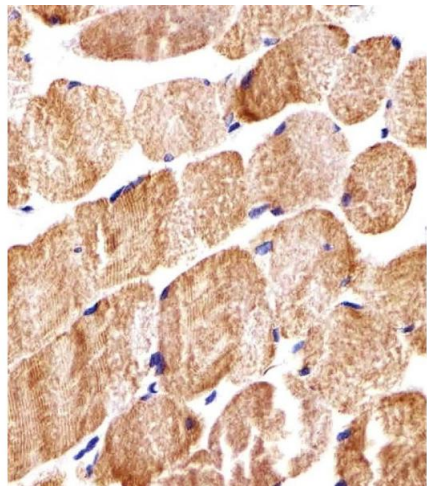
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

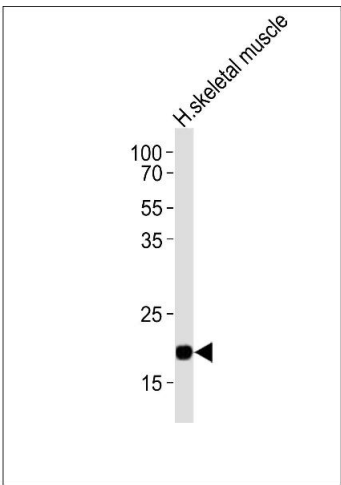
Product cited in: Han, Rha, Chi: "MED25 is a mediator component of HNF4α-driven transcription leading to insulin secretion in pancreatic beta-cells." in: **PLoS ONE**, Vol. 7, Issue 8, pp. e44007, (2013) (

Images



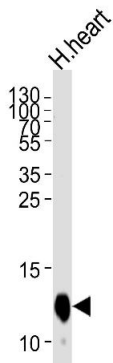
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H. skeletal muscle section using COX6A2 Antibody (Center) (ABIN653569 and ABIN2842945). (ABIN653569 and ABIN2842945) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of lysate from human skeletal muscle tissue lysate, using COX6A2 Antibody (Center) (ABIN653569 and ABIN2842945). (ABIN653569 and ABIN2842945) was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20 µg.



Western Blotting

Image 3. Western blot analysis of lysate from human heart tissue lysate, using COX6A2 Antibody (Center) (ABIN653569 and ABIN2842945). (ABIN653569 and ABIN2842945) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg per lane.