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Datasheet for ABIN657078

## anti-COX5A antibody (N-Term)

### 1 Image

#### Overview

Quantity:	400 µL
Target:	COX5A
Binding Specificity:	AA 27-55, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	This COX5A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-55 amino acids from the N-terminal region of human COX5A.
Clone:	RB32615
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Target Details

Target:	COX5A
Alternative Name:	COX5A ( <a href="#">COX5A Products</a> )
Background:	Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner

## Target Details

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mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer of proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Va of the human mitochondrial respiratory chain enzyme. A pseudogene COX5AP1 has been found in chromosome 14q22. [provided by RefSeq].

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Molecular Weight: 16762

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NCBI Accession: [NP\\_004246](#)

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UniProt: [P20674](#)

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Pathways: [Proton Transport](#)

## Application Details

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Application Notes: WB: 1:1000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Preservative: Sodium azide

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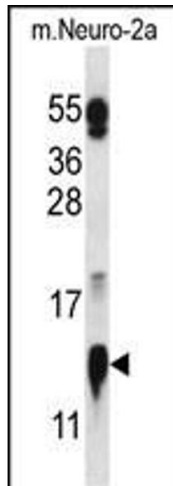
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C, -20 °C

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Expiry Date: 6 months



### Western Blotting

**Image 1.** COX5A Antibody (N-term) (ABIN657078 and ABIN2837889) western blot analysis in mouse Neuro-2a cell line lysates (35 µg/lane). This demonstrates the COX5A antibody detected the COX5A protein (arrow).