



## Datasheet for ABIN7129020 anti-COX7B2 antibody



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### 1 Image

#### Overview

Quantity:	100 µL
Target:	COX7B2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX7B2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

#### Product Details

Immunogen:	Fusion protein of Human COX7B2
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen affinity purification

#### Target Details

Target:	COX7B2
Alternative Name:	COX7B2 ( <a href="#">COX7B2 Products</a> )
Background:	Background: The cytochrome c oxidase (COX) family of proteins function as the final electron donor in the respiratory chain to drive a proton gradient across the inner mitochondrial membrane, ultimately resulting in the production of water and ATP. The mammalian COX apoenzyme is a dimer, with each monomer consisting of 13 subunits, some of which are

## Target Details

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mitochondrial and some of which are nuclear. COX7b (cytochrome c oxidase subunit VIIb polypeptide) and COX7b2 (cytochrome c oxidase subunit VIIb polypeptide 2) are 80 and 81 amino acid proteins, respectively, which exist as components of the COX complex, therefore playing an important role in electron transport. A rare polymorphism in the COX7b2 gene at codon 26 may be linked to nasopharyngeal carcinoma (NPC), the most common head and neck cancer in southern China.

Aliases: COX7B2 antibody, CX7B2\_HUMAN antibody, Cytochrome c oxidase polypeptide VIIb2 antibody, Cytochrome c oxidase subunit 7B2 mitochondrial antibody, Cytochrome c oxidase subunit 7B2, mitochondrial antibody, Cytochrome c oxidase subunit VIIb2 antibody, MGC102754 antibody

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UniProt: [Q8TF08](#)

## Application Details

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Application Notes: ELISA:1:1000-1:2000, IHC:1:15-1:50,

Restrictions: For Research Use only

## Handling

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Format: Liquid

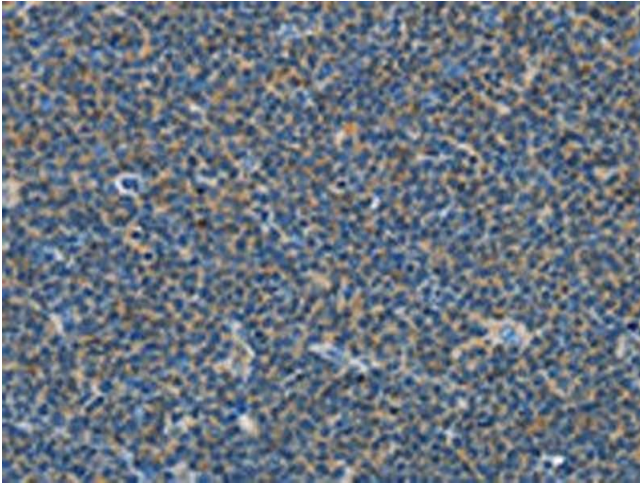
Buffer: -20 °C, pH 7.4 PBS, 0.05 % Sodium azide, 40 % Glycerol

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: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Immunohistochemistry

**Image 1.** The image on the left is immunohistochemistry of paraffin-embedded Human lymphoma tissue using ABIN7129020(COX7B2 Antibody) at dilution 1/15, on the right is treated with fusion protein. (Original magnification: x200)