



Product datasheet

Anti-CYB5R4/NCB5OR antibody ab224412

2 Images

Overview

<b>Product name</b>	Anti-CYB5R4/NCB5OR antibody
<b>Description</b>	Rabbit polyclonal to CYB5R4/NCB5OR
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	<p>Recombinant fragment corresponding to Human CYB5R4/NCB5OR aa 420-513.            Sequence:</p> <p>RKVKLMFFNKTEDDIWRSQLEKLAFKDKRLDVEFVLS            APISEWNGKQGH            ISPALLSEFLKRNLDKSKVLVCICGPVPFTEQGVRLH            DLNFSK</p> <p>Database link: <a href="#">Q7L1T6</a></p> <p style="text-align: right;">  <a href="#">Run BLAST with</a>                 <a href="#">Run BLAST with</a> </p>
<b>Positive control</b>	IHC-P: Human duodenum tissue. WB: RT4 cell lysate.
<b>General notes</b>	This product was previously labelled as CYB5R4

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.2            Preservative: 0.02% Sodium azide            Constituents: 40% Glycerol, PBS</p>
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab224412** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/100 - 1/250. Predicted molecular weight: 59 kDa.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### Function

NADH-cytochrome b5 reductase involved in endoplasmic reticulum stress response pathway. Plays a critical role in protecting pancreatic beta-cells against oxidant stress, possibly by protecting the cell from excess buildup of reactive oxygen species (ROS). Reduces a variety of substrates in vitro, such as cytochrome c, fericyanide and methemoglobin.

### Tissue specificity

Widely expressed.

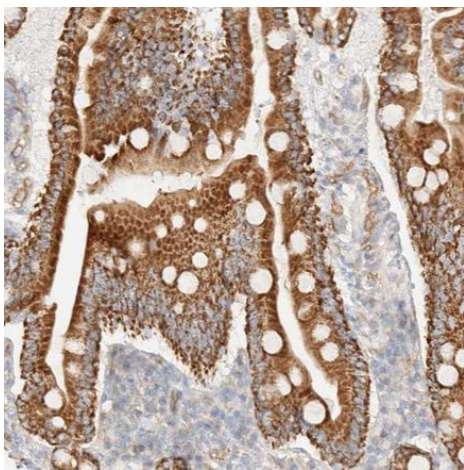
### Sequence similarities

Belongs to the flavoprotein pyridine nucleotide cytochrome reductase family.  
Contains 1 CS domain.  
Contains 1 cytochrome b5 heme-binding domain.  
Contains 1 FAD-binding FR-type domain.

### Cellular localization

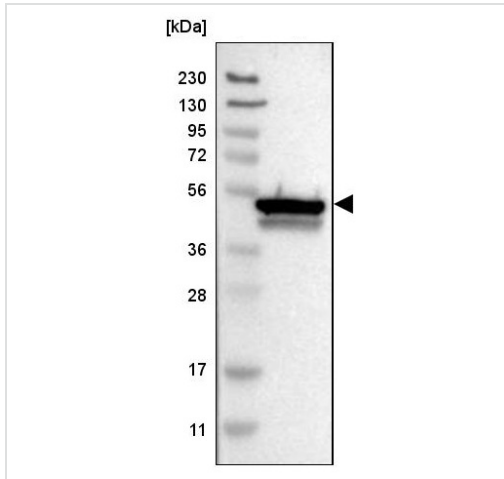
Endoplasmic reticulum. Soluble protein.

## Images



Paraffin-embedded human duodenum tissue stained for CYB5R4/NCB5OR using ab224412 at 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYB5R4/NCB5OR antibody (ab224412)



Anti-CYB5R4/NCB5OR antibody (ab224412) at 1/100 dilution + RT4 (human urinary bladder cancer cell line) cell lysate

**Predicted band size: 59 kDa**

Western blot - Anti-CYB5R4/NCB5OR antibody (ab224412)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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