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Datasheet for ABIN2559716

**anti-CYB5R4 antibody (AA 21-120) (Alexa Fluor 488)**

## Overview

Quantity:	100 µL
Target:	CYB5R4
Binding Specificity:	AA 21-120
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYB5R4 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CYB5R4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse,Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	CYB5R4
Alternative Name:	CYB5R4 ( <a href="#">CYB5R4 Products</a> )

## Target Details

Background:	<p>Synonyms: NCB50R, cb5/cb5R, dJ676J13.1, Cytochrome b5 reductase 4, Flavohemoprotein b5/b5R, b5+b5R, N-terminal cytochrome b5 and cytochrome b5 oxidoreductase domain-containing protein, CYB5R4</p> <p>Background: 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.</p>
Gene ID:	51167
UniProt:	<a href="#">Q7L1T6</a>
Pathways:	<a href="#">Hormone Transport</a> , <a href="#">Carbohydrate Homeostasis</a>

## Application Details

Application Notes:	<p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months