

Datasheet for ABIN2788600
anti-CYB5R3 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	CYB5R3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYB5R3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CYB5R3
Sequence:	IRAIMKDPDD HTVCHLLFAN QTEKDILLRP ELEELRNKHS ARFKLWYTLD
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 93%, Pig: 93%, Rabbit: 86%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against CYB5R3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CYB5R3
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Target Details

Alternative Name:	CYB5R3 (CYB5R3 Products)
Background:	This gene encodes cytochrome b5 reductase, which includes a membrane-bound form in somatic cells (anchored in the endoplasmic reticulum, mitochondrial and other membranes) and a soluble form in erythrocytes. The membrane-bound form exists mainly on the cytoplasmic side of the endoplasmic reticulum and functions in desaturation and elongation of fatty acids, in cholesterol biosynthesis, and in drug metabolism. The erythrocyte form is located in a soluble fraction of circulating erythrocytes and is involved in methemoglobin reduction. The membrane-bound form has both membrane-binding and catalytic domains, while the soluble form has only the catalytic domain. Alternate splicing results in multiple transcript variants. Mutations in this gene cause methemoglobinemias. Alias Symbols: B5R, DIA1 Protein Interaction Partner: SUMO2, PARK2, UBC, SLC1A5, SDHA, RPS7, HSPA1L, CDK2, SPP1, CYB5R3, CYB5A, HBG2, CYCS, ESR1, Protein Size: 301
Molecular Weight:	34 kDa
Gene ID:	1727
NCBI Accession:	NM_000398 , NP_000389
UniProt:	P00387
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 301 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



90 kDa__
65 kDa__
40 kDa__
31 kDa__
22 kDa__

Rabbit Anti-CYB5R3 Antibody
Catalog Number: ARP60822
Lot Number: QC31468
Lane: HT1080 Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 1.