

Datasheet for ABIN926618
anti-CYB5R3 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	CYB5R3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYB5R3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	CYB5 R3 antibody was raised in rabbit using the C terminal of CYB5 3 as the immunogen
Purification:	Purified

Target Details

Target:	CYB5R3
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

Target Details

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. Synonyms: Polyclonal CYB5R3 antibody, Anti-CYB5R3 antibody, cytochrome b5 reductase 3 antibody, B5R antibody, DIA1 antibody.

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes:	Optimal conditions should be determined by the investigator.
Comment:	CYB5R3 Blocking Peptide, catalog no. 33R-4127, is also available for use as a blocking control in assays to test for specificity of this CYB5R3 antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



Western Blotting

Image 1. Western Blot showing CYB5R3 antibody used at a concentration of 1 ug/ml against HT1080 Cell Lysate