

# CYB5R3 Polyclonal Antibody

Catalog # AP69349

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">P00387</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	34235

## Additional Information

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<b>Gene ID</b>	1727
<b>Other Names</b>	CYB5R3; DIA1; NADH-cytochrome b5 reductase 3; B5R; Cytochrome b5 reductase; Diaphorase-1
<b>Dilution</b>	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	CYB5R3 ( <a href="#">HGNC:2873</a> )
<b>Synonyms</b>	DIA1
<b>Function</b>	Catalyzes the reduction of two molecules of cytochrome b5 using NADH as the electron donor.
<b>Cellular Location</b>	[Isoform 1]: Endoplasmic reticulum membrane; Lipid-anchor {ECO:0000250   UniProtKB:P20070}; Cytoplasmic side {ECO:0000250   UniProtKB:P20070}. Mitochondrion outer membrane; Lipid-anchor {ECO:0000250   UniProtKB:P20070}; Cytoplasmic side {ECO:0000250   UniProtKB:P20070}
<b>Tissue Location</b>	[Isoform 2]: Expressed at late stages of erythroid maturation.

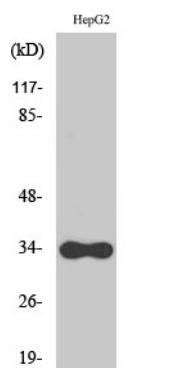
## Background

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Desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction.

## Images

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Western Blot analysis of various cells using CYB5R3 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.