

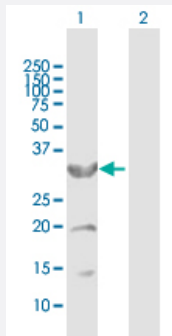
MaxPab®

CYB5R3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001727-B01P

Size 50 ug

Applications

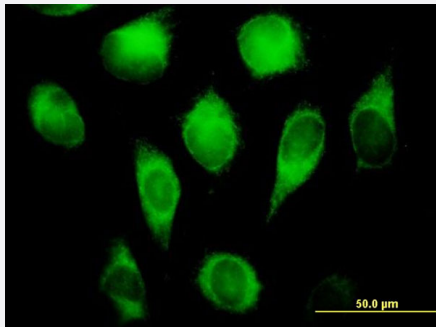


Western Blot (Transfected lysate)

Western Blot analysis of CYB5R3 expression in transfected 293T cell line ([H00001727-T01](#)) by CYB5R3 MaxPab polyclonal antibody.

Lane 1: CYB5R3 transfected lysate(33.11 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CYB5R3 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CYB5R3 protein.
Immunogen	CYB5R3 (NP_000389.1, 1 a.a. ~ 301 a.a) full-length human protein.
Sequence	MGAQLSTLGHMVLFPVWFLYSLLMKLFQRSTPAITLESPIKYPLRLIDREIISHDTRRFRFALPSPQ HILGLPVGQHLYLSARIDGNLVVRPYTPISSDDDKGFVDLVIKVYFKDTHPKFPAGGKMSQYLESMQI GDTIEFRGPSGLLVYQGKGKFAIRPDKKSNPIIRTVKSVGMIAGGTGITPMLQVIRAIMKDPDDHTVC HLLFANQTEKDILLRPELEELRNKHSARFKLWYTLDRAPEAWDYGQGFVNEEMIRDHLPPPEEEP LVLMCGPPPMIQYACLPNLDHVGHPTEPCFVF
Host	Mouse

Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunofluorescence

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Gene Info — CYB5R3

Entrez GeneID	1727
GeneBank Accession#	NM_000398.4
Protein Accession#	NP_000389.1
Gene Name	CYB5R3
Gene Alias	B5R, DIA1
Gene Description	cytochrome b5 reductase 3
Omim ID	250800
Gene Ontology	Hyperlink

Gene Summary

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. These two forms are resulted from alternative splicing of the gene. Mutations in this gene cause methemoglobinemias. [provided by RefSeq]

Other Designations

NADH-cytochrome b5 reductase|OTTHUMP00000028761|cytochrome b5 reductase|diaphorase (NADH) (cytochrome b-5 reductase)

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)

Disease

- [Kidney Failure](#)