

DNAxPAb

Hard-to-Find
Antibody

CYB5R3 DNAxPab

Catalog # H00001727-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human CYB5R3 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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](#)