

CYB5R3 / Dia 1 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF3454a**Specification****CYB5R3 / Dia 1 Antibody (C-Term) - Product Information**

Application	WB, IHC
Primary Accession	P00387
Other Accession	NP_000389.1 , NP_001123291.1 , NP_001165131.1 , 1727
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	34235

CYB5R3 / Dia 1 Antibody (C-Term) - Additional Information

Gene ID 1727

Other Names

NADH-cytochrome b5 reductase 3, B5R, Cytochrome b5 reductase, 1.6.2.2, Diaphorase-1, NADH-cytochrome b5 reductase 3 membrane-bound form, NADH-cytochrome b5 reductase 3 soluble form, CYB5R3, DIA1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CYB5R3 / Dia 1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

CYB5R3 / Dia 1 Antibody (C-Term) - Protein Information

Name CYB5R3 ([HGNC:2873](#))

Synonyms DIA1

Function

Catalyzes the reduction of two molecules of cytochrome b5 using NADH as the electron donor.

Cellular Location

[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}

Tissue Location

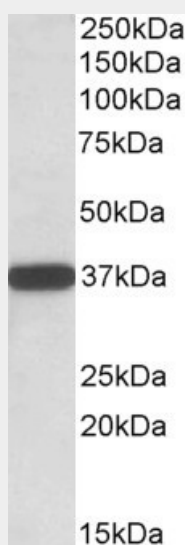
[Isoform 2]: Expressed at late stages of erythroid maturation.

CYB5R3 / Dia 1 Antibody (C-Term) - Protocols

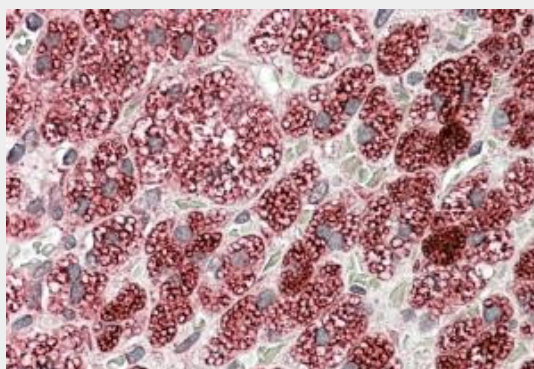
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CYB5R3 / Dia 1 Antibody (C-Term) - Images



AF3454a (0.01 $\mu\text{g/ml}$) staining of Human Umbilical Cord lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3454a (3.8 µg/ml) staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

CYB5R3 / Dia 1 Antibody (C-Term) - Background

This antibody is expected to recognize all three reported isoforms (NP_000389.1; NP_001123291.1; NP_001165131.1).

CYB5R3 / Dia 1 Antibody (C-Term) - References

RhoB regulates endosome transport by promoting actin assembly on endosomal membranes through Dia1. Fernandez-Borja M, Janssen L, Verwoerd D, Hordijk P, Neefjes J, J. Cell. Sci. 2005 Jun 118 (Pt 12): 2661-70. PMID: 15944396