



CYB5R3 Monoclonal Antibody

Catalog No	BYmab-02558
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CYB5R3
Protein Name	NADH-cytochrome b5 reductase 3
lmmunogen	The antiserum was produced against synthesized peptide derived from human CYB5R3. AA range:137-186
Specificity	CYB5R3 Monoclonal Antibody detects endogenous levels of CYB5R3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
0	A very lead
Concentration	1 mg/ml
Purity	1 mg/mi ≥90%
Purity	≥90%
Purity Storage Stability	≥90% -20°C/1 year CYB5R3; DIA1; NADH-cytochrome b5 reductase 3; B5R; Cytochrome b5
Purity Storage Stability Synonyms	≥90% -20°C/1 year CYB5R3; DIA1; NADH-cytochrome b5 reductase 3; B5R; Cytochrome b5 reductase; Diaphorase-1
Purity Storage Stability Synonyms Observed Band	≥90% -20°C/1 year CYB5R3; DIA1; NADH-cytochrome b5 reductase 3; B5R; Cytochrome b5 reductase; Diaphorase-1 34kD [Isoform 1]: Endoplasmic reticulum membrane; Lipid-anchor; Cytoplasmic side. Mitochondrion outer membrane; Lipid-anchor; Cytoplasmic side.; [Isoform 2]:

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Background

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reduction.,polymorphism:Ser-117 seems to only be found in persons of African origin. The allele frequency is 0.23 in African Americans. It was not found in Caucasians, Asians, Indo-Aryans, or Arabs. There seems to be no effect on the enzym
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

matters needing

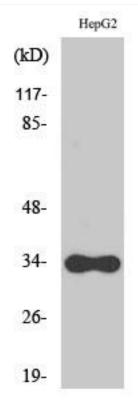
attention

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. Alternate splicing results in multiple transcript variants. Mutations in this gene cause methemoglobinemias. [provided by RefSeq, Jan 2010], Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CYB5R3 Monoclonal Antibody

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