Anti-CYB5R3 antibody

Cat. No.	ml163647
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-CYB5R3 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human CYB5R3
Reactivity	Human, Mouse, Rat
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	CYB5R3
Full name	cytochrome b5 reductase 3
Synonyms	B5R; DIA1
Swissprot	P00387

Target Background

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. Alternate splicing results in multiple transcript variants. Mutations in this gene cause methemoglobinemias.
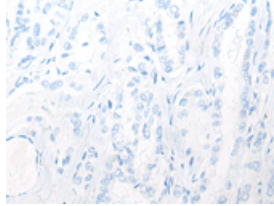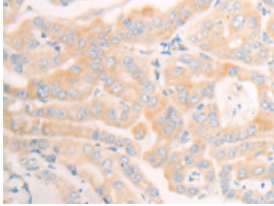
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 20-100

Predicted cell location: Cytoplasm

Positive control: Human liver cancer
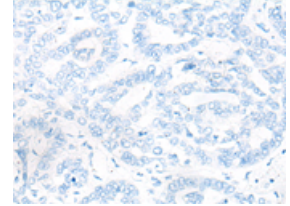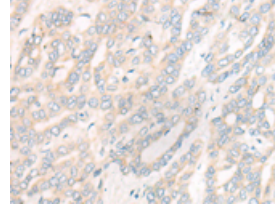
Recommended dilution: 20-100

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml163647(CYB5R3 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml163647(CYB5R3 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 5000-10000

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