

ARG65672 anti-CYB5R3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CYB5R3
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize all three reported isoforms (NP_000389.1; NP_001123291.1; NP_001165131.1).
Host	Goat
Clonality	Polyclonal
Target Name	CYB5R3
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human CYB5R3 (CLPNLDHVGHPER)
Conjugation	Un-conjugated
Alternate Names	NADH-cytochrome b5 reductase 3; Cytochrome b5 reductase; B5R; Diaphorase-1; EC 1.6.2.2; DIA1

Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 5 µg/ml
	WB	0.01 - 0.03 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

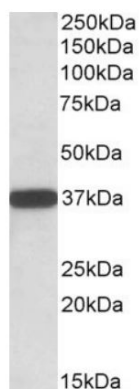
Properties

Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

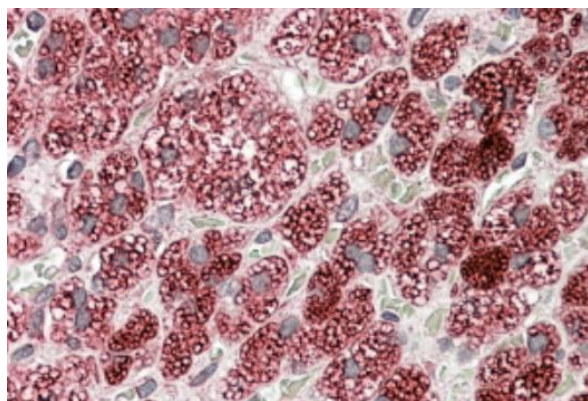
Database links	GeneID: 1727 Human Swiss-port # P00387 Human
Gene Symbol	CYB5R3
Gene Full Name	cytochrome b5 reductase 3
Background	This gene encodes cytochrome b5 reductase, which includes a membrane-bound form in somatic cells (anchored in the endoplasmic reticulum, mitochondrial and other membranes) 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. [provided by RefSeq, Jan 2010]
Function	Desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	38.2 kDa (NP_001165131.1)

Images



ARG65672 anti-CYB5R3 antibody WB image

Western blot: 35 µg of Human Umbilical Cord lysate stained with ARG65672 anti-CYB5R3 antibody at 0.01 µg/ml dilution (incubate 1 hour).



ARG65672 anti-CYB5R3 antibody IHC-P image

Immunohistochemistry: paraffin-embedded Human Adrenal Gland stained with ARG65672 anti-CYB5R3 antibody at 3.8 µg/ml dilution. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.