

KB547

For research use only

Anti Human CYB5R3 Polyclonal Antibody

Code No. KB547
Target CYB5R3
Category Enzyme
Gene ID 1727
Primary Source HGNC:2873
Synonyms B5R; DIA1; CYB5R3

Type Polyclonal Antibody
Immunogen Recombinant protein of full length Human CYB5R3

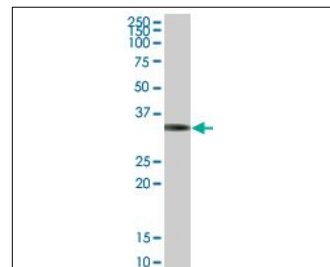
Raised in Mouse
Myeloma -
Clone number -
Purification Protein A purified
Source Mouse Serum
Isotype -
Cross Reactivity -
Label Unlabeled
Concentration 0.5 mg/mL
Contents (Volume) 50 µg
Buffer PBS, pH 7.2

Storage Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

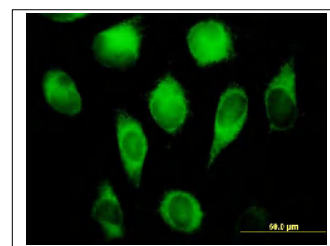
Application WB, IF

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	-	10	-

(µg/mL)



[WB] CYB5R3 transfected 293T cell lysate



[IF] HeLa cell

Reference

- Tomatsu S., et al. "The organization and the complete nucleotide sequence of the human NADH-cytochrome b5 reductase gene." Gene 80:353-361(1989)
- Collins J.E., et al. "A genome annotation-driven approach to cloning the human ORFeome." Genome Biol. 5:RESEARCH84.1-RESEARCH84.11(2004)
- Dunham I., et al. "The DNA sequence of human chromosome 22." Nature 402:489-495(1999)

UniPlot Summary

//Function: Desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction.

//Subcellular location: Isoform 1: Endoplasmic reticulum membrane; Lipid-anchor; Cytoplasmic side. Mitochondrion outer membrane; Lipid-anchor; Cytoplasmic side. Isoform 2: Cytoplasm. Note: Produces the soluble form found in erythrocytes.

//Tissue specificity: Isoform 2 (soluble form) is expressed at late stages of erythroid maturation.

//Sequence similarities: Belongs to the flavoprotein pyridine nucleotide cytochrome reductase family. Contains 1 FAD-binding FR-type domain.