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CYB5A Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP14033c

Specification

CYB5A Antibody (Center) Blocking peptide - Product Information

Primary Accession P00167

CYB5A Antibody (Center) Blocking peptide - Additional Information

Gene ID 1528

Other Names
Cytochrome b5, Microsomal cytochrome b5 type A, MCB5, CYB5A, CYB5

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP14033c was selected from the Center region of CYB5A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CYB5A Antibody (Center) Blocking peptide - Protein Information

Name CYB5A

Synonyms CYB5

Function
Cytochrome b5 is a membrane-bound hemoprotein functioning as an electron carrier for several membrane-bound oxygenases.

Cellular Location
[Isoform 1]: Endoplasmic reticulum membrane; Single-pass membrane protein; Cytoplasmic side. Microsome membrane; Single-pass membrane protein; Cytoplasmic side

CYB5A Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

CYB5A Antibody (Center) Blocking peptide - Images

CYB5A Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is a membrane-boundcytochrome that reduces ferric hemoglobin (methemoglobin) toferrous hemoglobin, which is required for stearyl-CoA-desaturaseactivity. Defects in this gene are a cause of type IV hereditarymethemoglobinemia. Three transcript variants encoding differentisoforms have been found for this gene.

CYB5A Antibody (Center) Blocking peptide - References

Gardner, A.M., et al. J. Biol. Chem. 285(31):23850-23857(2010)Kok, R.C., et al. J. Clin. Endocrinol. Metab. 95(3):994-999(2010)Sacco, J.C., et al. Pharmacogenet. Genomics 20(1):26-37(2010)Maghzal, G.J., et al. J. Biol. Chem. 283(18):12014-12025(2008)Inui, H., et al. Biochemistry 46(35):10213-10221(2007)