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CYP3A43 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP7999a

Specification

CYP3A43 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9HB55

CYP3A43 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 64816

Other Names
Cytochrome P450 3A43, CYP3A43

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7999a was selected from the N-term region of human CYP3A43. 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.

CYP3A43 Antibody (N-term) Blocking Peptide - Protein Information

Name CYP3A43

Function
Exhibits low testosterone 6-beta-hydroxylase activity.

Cellular Location
Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein

Tissue Location
Highest expression level in prostate. Also expressed in liver, kidney, pancreas, fetal liver and fetal skeletal muscle.

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CYP3A43 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CYP3A43 Antibody (N-term) Blocking Peptide - Images

CYP3A43 Antibody (N-term) Blocking Peptide - Background

CYP3A43 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein has a low level of testosterone hydroxylase activity. Although it bears homology to some drug-metabolizing cytochrome P450s, the protein unknown whether the enzyme is also involved in xenobiotic metabolism.

CYP3A43 Antibody (N-term) Blocking Peptide - References

Domanski T.L., Finta C.Mol. Pharmacol. 59:386-392(2001)Westlind A., Malmebo S.Biochem. Biophys. Res. Commun. 281:1349-1355(2001)Cauffiez C., Lo-Guidice J.-M.Hum. Mutat. 23:101-101(2004)