

CYP3A43 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7999c**Specification**

CYP3A43 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q9HB55](#)

CYP3A43 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 64816

Other Names

Cytochrome P450 3A43, CYP3A43

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7999c](/products/AP7999c) was selected from the Center 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 (Center) 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.

CYP3A43 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CYP3A43 Antibody (Center) Blocking Peptide - Images

CYP3A43 Antibody (Center) 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 (Center) 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)