

**CYP3A43 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7999a****Specification**

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**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](/products/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.

## **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)