

CYP4B1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8650c**Specification**

CYP4B1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P13584](#)**CYP4B1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1580**Other Names**

Cytochrome P450 4B1, CYP4B1, Cytochrome P450-HP, CYP4B1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8650c](/products/AP8650c) was selected from the Center region of human CYP4B1. 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.

CYP4B1 Antibody (Center) Blocking Peptide - Protein Information**Name** CYP4B1**Function**

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.

Cellular Location

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

Tissue Location

Detected in the liver and lung (at protein level).

CYP4B1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CYP4B1 Antibody (Center) Blocking Peptide - Images

CYP4B1 Antibody (Center) Blocking Peptide - Background

CYP4B1 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 localizes to the endoplasmic reticulum. In rodents, the homologous protein has been shown to metabolize certain carcinogens; however, the specific function of the human protein has not been determined.

CYP4B1 Antibody (Center) Blocking Peptide - References

McKinnon,R.A., et.al., Pharmacogenetics 4 (5), 260-270 (1994)Yokotani,N., et.al., Eur. J. Biochem. 187 (1), 23-29 (1990)