

CYP2F1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7883b**Specification**

CYP2F1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P24903](#)**CYP2F1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 1572**Other Names**

Cytochrome P450 2F1, CYPIIF1, CYP2F1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7883b](/products/AP7883b) was selected from the C-term region of human CYP2F1. 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.

CYP2F1 Antibody (C-term) Blocking Peptide - Protein Information**Name** CYP2F1**Function**

May be involved in the metabolism of various pneumotoxicants including naphthalene. Is able to dealkylate ethoxycoumarin, propoxycoumarin, and pentoxifyresorufin but possesses no activity toward ethoxyresorufin and only trace dearylation activity toward benzyloxyresorufin. Bioactivates 3-methylindole (3MI) by dehydrogenation to the putative electrophile 3-methylene-indolenine.

Cellular Location

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

Tissue Location

Expressed in lung. Rarely detected in liver and placenta.

CYP2F1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CYP2F1 Antibody (C-term) Blocking Peptide - Images

CYP2F1 Antibody (C-term) Blocking Peptide - Background

CYP2F1 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 and is known to dehydrogenate 3-methylindole, an endogenous toxin derived from the fermentation of tryptophan, as well as xenobiotic substrates such as naphthalene and ethoxycoumarin.

CYP2F1 Antibody (C-term) Blocking Peptide - References

Tournel,G., Xenobiotica 37 (12), 1433-1438 (2007)Tournel,G., Mutat. Res. 617 (1-2), 79-89 (2007)Nelson,D.R., Pharmacogenetics 14 (1), 1-18 (2004)