

CYP2C18 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP8725b**Specification**

CYP2C18 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P33260](#)**CYP2C18 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 1562**Other Names**

Cytochrome P450 2C18, CYP11C18, Cytochrome P450-6b/29c, CYP2C18

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8725b](/products/AP8725b) was selected from the C-term region of human CYP2C18. 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.

CYP2C18 Antibody (C-term) Blocking Peptide - Protein Information**Name** CYP2C18 {ECO:0000303|PubMed:11093772, ECO:0000312|HGNC:HGNC:2620}**Function**

A cytochrome P450 monooxygenase involved in retinoid metabolism. Hydroxylates all trans-retinoic acid (atRA) to 4- hydroxyretinoate and may modulate atRA signaling and clearance. Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (CPR; NADPH- ferrihemoprotein reductase).

Cellular Location

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

CYP2C18 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CYP2C18 Antibody (C-term) Blocking Peptide - Images

CYP2C18 Antibody (C-term) Blocking Peptide - Background

CYP2C18 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 but its specific substrate has not yet been determined.

CYP2C18 Antibody (C-term) Blocking Peptide - References

Beausoleil, S.A., et.al., Proc. Natl. Acad. Sci. U.S.A. 101 (33), 12130-12135 (2004) Nelson, D.R., et.al., Pharmacogenetics 14 (1), 1-18 (2004)