

CYP2C18 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8725b**Specification**

CYP2C18 Antibody (C-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	P33260
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55711
Antigen Region	448-478

CYP2C18 Antibody (C-term) - Additional Information**Gene ID** 1562**Other Names**

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

Target/Specificity

This CYP2C18 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 448-478 amino acids from the C-terminal region of human CYP2C18.

Dilution

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CYP2C18 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CYP2C18 Antibody (C-term) - 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

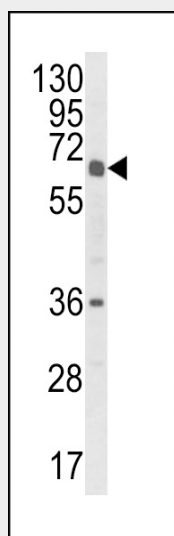
Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein

CYP2C18 Antibody (C-term) - Protocols

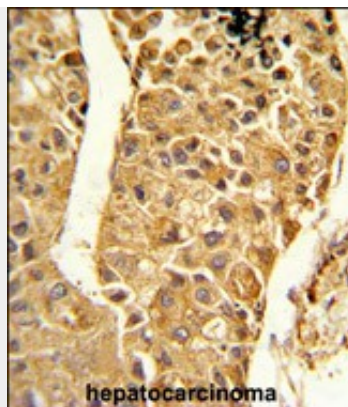
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CYP2C18 Antibody (C-term) - Images



Western blot analysis of CYP2C18 Antibody (C-term) (Cat. #AP8725b) in HL-60 cell line lysates (35ug/lane). CYP2C18 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with CYP2C18 Antibody (C-term) ,which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

CYP2C18 Antibody (C-term) - 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) - 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)