

CYP2C18 Rabbit pAb

Catalog # AP96265

Product Information

Application	WB
Primary Accession	P33260
Other Accession	P33260
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55711
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CYP2C18
Epitope Specificity	401-490/490
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes 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. The gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. An additional gene, CYP2C17, was once thought to exist; however, CYP2C17 is now considered an artefact based on a chimera of CYP2C18 and CYP2C19. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	1562
Other Names	CP2CI_HUMAN; CYP2C18; CYP11C18; Cytochrome P450-6b/29c; 1.14.14.1; cytochrome P450 family 2 subfamily C member 18; cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 18; cytochrome P450, family 2, subfamily C, polypeptide 18
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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