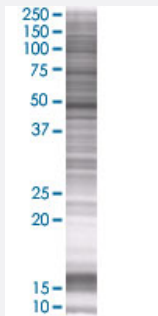


CYP2C18 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001562-T01

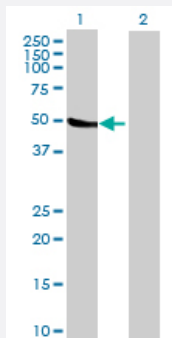
Size 100 uL

Applications



SDS-PAGE Gel

CYP2C18 transfected lysate.



Western Blot

Lane 1: CYP2C18 transfected lysate (54.01 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CYP2C18 full-length
Host	Human
Theoretical MW (kDa)	54.01
Interspecies Antigen Sequence	Mouse (76); Rat (79)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CYP2C18 antibody ([H00001562-B01](#)) by Western Blots.
SDS-PAGE Gel
CYP2C18 transfected lysate.
Western Blot
Lane 1: CYP2C18 transfected lysate (54.01 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CYP2C18

Entrez GeneID

[1562](#)

GeneBank Accession#

[NM_000772.1](#)

Protein Accession#

[NP_000763.1](#)

Gene Name

CYP2C18

Gene Alias

CPCI, CYP2C, CYP2C17, DKFZp686l24235, P450-6B/29C, P450IIC17

Gene Description

cytochrome P450, family 2, subfamily C, polypeptide 18

Omim ID

[601131](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

(S)-mephenytoin hydroxylase associated cytochrome P450|OTTHUMP00000020131|cytochrome P450 family 2 subfamily C polypeptide 18|cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 17|cytochrome P450, subfamily IIC (mephenytoin 4-hydroxyl

Pathway

- [Arachidonic acid metabolism](#)
- [Drug metabolism - cytochrome P450](#)
- [Linoleic acid metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Retinol metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Coronary Artery Disease](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Kidney Failure](#)
- [Mesothelioma](#)
- [Neuroblastoma](#)
- [Pleural Neoplasms](#)