

DNAxPAb

Hard-to-Find  
Antibody

# CYP2C18 DNAxPab

Catalog # H00001562-W01P

Size 200 ug

## Specification

**Product Description** Rabbit polyclonal antibody raised against a full-length human CYP2C18 DNA using DNAx™ Immune technology.

**Technology** [DNAx™ Immune](#)

**Immunogen** Full-length human DNA

**Sequence** MDPAVALVCLCLFLLSLWRQSSGRGRLPSPGPTPLPIIGNILQLDVKDMSKSLTNFSKVYGPVFT  
VYFGLKPIVLHG YEAVKEALIDHGEEFSGRGSFPVAEKVNKGLGILFSNGKRWKEIRRFCLMTLR  
NFGMGKRSIEDRVQEEARCLVEELRKTNASPCDPTFILGCAPCNVICSVIFHDRFDYKDQRFNLNM  
EKFNENLRILSSPWQVCNNFPALIDYLPGSHNKIAENFAYIKSYVLERIKEHQESLDMNSARDFIDC  
FLIKMEQEKHNQQSEFTVESLIATVTDMFGAGTETTSTTLRYGLLLLLKYPEVTAKVQEEIECVVGR  
NRSPCMQDRSHMPYTDVAVVHEIQRYDLLPTNLPHAVTCDVKFKNYLIPKGTITITSLTSVLHNDKEF  
PNPEMFDPGHFLDKSGNFKKSDYFMPFSAGKRMCMGEGLARMELFLTLTILQNFNLKSQVDPK  
DIDITPIANAFGRVPPLYQLCFIPV

**Host** Rabbit

**Reactivity** Human

**Purification** Protein A

**Quality Control Testing** Antibody reactive against mammalian transfected lysate.

**Storage Buffer** In 1x PBS, pH 7.4

**Storage Instruction** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — CYP2C18

Entrez GeneID [1562](#)

GeneBank Accession# [NM\\_000772.1](#)

Protein Accession# [NP\\_000763.1](#)

Gene Name CYP2C18

Gene Alias CPCI, CYP2C, CYP2C17, DKFZp686I24235, 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](#)