

DNAxPAb

Hard-to-Find  
Antibody

# CYP4A11 DNAxPab

Catalog # H00001579-W01P

Size 200 ug

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human CYP4A11 DNA using DNAx™ Immune technology.                                                                                                                                                                                                                                                                                                                                                                             |
| Technology              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen               | Full-length human DNA                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence                | MSVSVLSPSRLLGDVSGILQAASLLILLLLLIKAVQLYLRQWLLKALQQFPCPPSHWLFGHIQELQ<br>QDQELQRIQKWVETFPSACPHWLWGGKVRVQLYDPDMKVILGRSDPKSHGSYRFLAPWIGYGL<br>LLLNGQTWQFQHRRLTPAFHYDILKPYVGLMADSVRVMLDKWEELLGQDSPLEVFQHVSLMTLD<br>TIMKCAFSHQGSIQVDRNSQSYQAISDLNVLFSRVNFAHQNDTIYSLTSAGRWTHRACQLAHQ<br>HTDQVIQLRKAQLQKEGELEKIKRKRHLDFLDILLAKMENGSIKDLRAEVDTFMFEGHDTTAS<br>GISWILYALATHPKHQERCREEIHSLLGDGASITWNHLDQMPYTTMCIKEALRLYPPVPGIGRELSTP<br>VTFPDGRSLPKGIMVLLSIYGLHHNPKVWPNPEVDFPFRFAPGSAQHSFLPFSGGSR |
| 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 — CYP4A11

|                     |                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">1579</a>                                                                                                                                                                                                                                                                                                                                                                            |
| GeneBank Accession# | <a href="#">BC041158.1</a>                                                                                                                                                                                                                                                                                                                                                                      |
| Protein Accession#  | <a href="#">AAH41158.1</a>                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Name           | CYP4A11                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Alias          | CP4Y, CYP4A2, CYP4AII                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Description    | cytochrome P450, family 4, subfamily A, polypeptide 11                                                                                                                                                                                                                                                                                                                                          |
| Omim ID             | <a href="#">601310</a>                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                       |
| 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 and hydroxylates medium-chain fatty acids such as laurate and myristate. [provided by Ref Seq] |
| Other Designations  | OTTHUMP00000009714 P450HL-omega alkane-1 monooxygenase cytochrome P450, subfamily 1A, polypeptide 11 fatty acid omega-hydroxylase lauric acid omega-hydroxylase                                                                                                                                                                                                                                 |

## Pathway

- [Arachidonic acid metabolism](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Retinol metabolism](#)
- [Vascular smooth muscle contraction](#)

## Disease

- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Cerebral Infarction](#)
- [Coronary Artery Disease](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Myocardial Infarction](#)
- [Nephrosclerosis](#)
- [Stroke](#)