

# CYP4A11 rabbit monoclonal antibody

Catalog # H00001579-K

Size 100 ug x up to 3

## Specification

|                                |                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit monoclonal antibody raised against a human CYP4A11 peptide using ARM Technology.                                                                                                                                                                                      |
| <b>Immunogen</b>               | A synthetic peptide of human CYP4A11 is used for rabbit immunization.<br>Customer or Abnova will decide on the preferred peptide sequence.                                                                                                                                   |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                       |
| <b>Library Construction</b>    | Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).                                                                                                                                                                                           |
| <b>Expression</b>              | Overexpression vector and transfection into 293H cell line.                                                                                                                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                        |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                          |
| <b>Quality Control Testing</b> | Antibody reactive against human CYP4A11 peptide by ELISA and mammalian transfected lysate by Western Blot.                                                                                                                                                                   |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                            |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                     |
| <b>Deliverable</b>             | Up to three rabbit IgG clones of 100 ug each will be delivered to customer.                                                                                                                                                                                                  |
| <b>Note</b>                    | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — CYP4A11

|                     |                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">1579</a>                                                                                                                                                                                                                                                                                                                                                                            |
| GeneBank Accession# | <a href="#">CYP4A11</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 re ticulum 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 IVA, 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](#)