

## PNPLA3 rabbit monoclonal antibody

Catalog # H00080339-K

Size 100 ug x up to 3

### Specification

|                                |                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit monoclonal antibody raised against a human PNPLA3 peptide using ARM Technology.                                                                                                                                                                                       |
| <b>Immunogen</b>               | A synthetic peptide of human PNPLA3 is used for rabbit immunization. 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 PNPLA3 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 — PNPLA3

|                     |                                                                                                                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">80339</a>                                                                                                                                                                                                                                                    |
| GeneBank Accession# | <a href="#">PNPLA3</a>                                                                                                                                                                                                                                                   |
| Gene Name           | PNPLA3                                                                                                                                                                                                                                                                   |
| Gene Alias          | ADPN, C22orf20, iPLA(2)epsilon                                                                                                                                                                                                                                           |
| Gene Description    | patatin-like phospholipase domain containing 3                                                                                                                                                                                                                           |
| Omim ID             | <a href="#">609567</a>                                                                                                                                                                                                                                                   |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                |
| Gene Summary        | The protein encoded by this gene is a triacylglycerol lipase that mediates triacylglycerol hydrolysis in adipocytes. The encoded protein, which appears to be membrane bound, may be involved in the balance of energy usage/storage in adipocytes. [provided by RefSeq] |
| Other Designations  | OTTHUMP00000028602 adiponutrin                                                                                                                                                                                                                                           |

## Pathway

- [1- and 2-Methylnaphthalene degradation](#)
- [Benzoate degradation via CoA ligation](#)
- [Glycerolipid metabolism](#)
- [Glycerophospholipid metabolism](#)
- [Limonene and pinene degradation](#)
- [Metabolic pathways](#)
- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)

## Disease

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Fatty Liver](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Overweight](#)