# LPIN1 rabbit monoclonal antibody

Catalog #    H00023175-K          Size    100 ug x up to 3

## Specification

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|---|---|
| **Product Description** | Rabbit monoclonal antibody raised against a human LPIN1 peptide using ARM Technology. |
| **Immunogen** | A synthetic peptide of human LPIN1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence. |
| **Host** | Rabbit |
| **Library Construction** | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| **Expression** | Overexpression vector and transfection into 293H cell line. |
| **Reactivity** | Human |
| **Purification** | Protein A |
| **Isotype** | IgG |
| **Quality Control Testing** | Antibody reactive against human LPIN1 peptide by ELISA and mammalian transfected lysate by Western Blot. |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Deliverable** | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| **Note** | 1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

   Protocol Download

- ELISA

## Gene Info — LPIN1

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|---|---|
| **Entrez GeneID** | 23175 |
| **GeneBank Accession#** | LPIN1 |
| **Gene Name** | LPIN1 |
| **Gene Alias** | DKFZp781P1796, KIAA0188, PAP1 |
| **Gene Description** | lipin 1 |
| **Omim ID** | 605518 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene represents a candidate gene for human lipodystrophy, characterized by loss of body fat, fatty liver, hypertriglyceridemia, and insulin resistance. Mouse studies suggest that this gene functions during normal adipose tissue development and may also play a role in human triglyceride metabolism. [provided by RefSeq |
| **Other Designations** | - |

## Disease

- Cardiovascular Diseases

- Diabetes Mellitus

- Genetic Predisposition to Disease

- Hypertension

- Insulin Resistance

- Lipodystrophy

- Metabolic Syndrome X

- Obesity