

**Lipin 2 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10646****Specification**

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**Lipin 2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q99PI5</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	99613

**Lipin 2 Antibody - Additional Information****Gene ID** 64898**Application & Usage**

**Western blotting (0.5-4 µg/ml).** It detects a band between 70-100 kDa, corresponding to the molecular mass of Lipin-2. A lower band ~55 kDa can also be detected, presumably to be the cleavage fragment of Lipin-2.

**Other Names**

KIAA0249 , LPIN2

**Target/Specificity**

Lipin 2

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Lipin 2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **Lipin 2 Antibody - Protein Information**

**Name** Lpin2 {ECO:0000312|MGI:MGI:1891341}

### **Function**

Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis in the endoplasmic reticulum membrane (PubMed:<a href="http://www.uniprot.org/citations/17158099" target="\_blank">17158099</a>). Plays important roles in controlling the metabolism of fatty acids at different levels. Also acts as a nuclear transcriptional coactivator for PPARGC1A to modulate lipid metabolism.

### **Cellular Location**

Nucleus. Cytoplasm, cytosol. Endoplasmic reticulum membrane. Note=Translocates from cytosol to endoplasmic reticulum membrane with increasing levels of oleate

### **Tissue Location**

Expressed at high level in liver and to some extent in lung, kidney, placenta, spleen, thymus, lymph node, prostate, testes, small intestine, and colon. Expressed also in circulating red blood cells and site of lymphopoiesis.

## **Lipin 2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Lipin 2 Antibody - Images**

## **Lipin 2 Antibody - Background**

Lipin 2 is a nuclear protein that belongs to the evolutionarily conserved Lipin family. Studies show that a mutation to human Lipin 2 is linked to autosomal dominant high grade myopia and Majeed syndrome.