

**Lipin 2 Blocking Peptide**  
**Catalog # PBV10381b****Specification**

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**Lipin 2 Blocking Peptide - Product Information**

Primary Accession	<a href="#">Q99PI5</a>
Gene ID	<b>64898</b>
Calculated MW	<b>99613</b>

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

The peptide is used for blocking the antibody activity of Lipin 2. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

**Other Names**

Phosphatidate phosphatase LPIN2, 3.1.3.4, Lipin-2, Lpin2

**Target/Specificity**

Lipin 2

**Formulation**

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

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

**Lipin 2 Blocking Peptide - 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 reticulum endoplasmic 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. Acts also 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 Blocking Peptide - 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 Blocking Peptide - Images**