

Lipin 1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58673**Specification**

Lipin 1 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q14693
Reactivity	Rat, Pig, Chimpanzee, Dog, Cow
Host	Rabbit
Clonality	Polyclonal
Calculated MW	98664

Lipin 1 Polyclonal Antibody - Additional Information**Gene ID** 23175**Other Names**

Phosphatidate phosphatase LPIN1, 3.1.3.4,
Lipin-1, LPIN1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=13345),
HGNC:13345),
KIAA0188

Format

0.01M TBS(pH7.4) with 1% BSA, 0.09%
(W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated
freeze/thaw cycles. When reconstituted in
sterile pH 7.4 0.01M PBS or diluent of
antibody the antibody is stable for at least
two weeks at 2-4 °C.

Lipin 1 Polyclonal Antibody - Protein Information**Name** LPIN1 ([HGNC:13345](#))**Synonyms** KIAA0188**Function**

Acts as a magnesium-dependent
phosphatidate phosphatase enzyme which
catalyzes the conversion of phosphatidic

acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis and therefore controls the metabolism of fatty acids at different levels (PubMed:20231281). Acts also as nuclear transcriptional coactivator for PPARGC1A/PPARA regulatory pathway to modulate lipid metabolism gene expression. Is involved in adipocyte differentiation. Isoform 1 is recruited at the mitochondrion outer membrane and is involved in mitochondrial fission by converting phosphatidic acid to diacylglycerol (By similarity).

Cellular Location

Nucleus membrane. Cytoplasm, cytosol. Endoplasmic reticulum membrane

Tissue Location

Specifically expressed in skeletal muscle. Also abundant in adipose tissue. Lower levels in some portions of the digestive tract.

Lipin 1 Polyclonal 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](#)