
Lipin-1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251271

Unit: 0.1 mg

Description:

Phosphatidate phosphatase LPIN1 (lipin-1) plays important roles in controlling the metabolism of fatty acids at different levels. Lipin-1 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. Lipin-1 acts also as a nuclear transcriptional coactivator for PPARGC1A/PPARA to modulate lipid metabolism gene expression. Defects in lipin-1 are a cause of autosomal recessive acute recurrent myoglobinuria, also known as acute recurrent rhabdomyolysis. Recurrent myoglobinuria is characterized by recurrent attacks of rhabdomyolysis (necrosis or disintegration of skeletal muscle) associated with muscle pain and weakness and followed by excretion of myoglobin in the urine. Renal failure may occasionally occur. Onset is usually in early childhood under the age of 5 years.

Isotype: Rabbit Ig

Applications: E, WB, IHC, IP

Species Reactivity: H, M, R, P

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Lipin-1; LPIN1; KIAA0188

Accession No.: Q14693

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human lipin-1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.