



Rabbit Anti-Human LPIN1 (a.a. 667-889) Polyclonal antibody (DPABH-04141)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	LPIN1
Immunogen	Rabbit polyclonal LPIN1 antibody was raised against a recombinant human LPIN1 protein 667-889aa (BC030537).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Affinity purified
Conjugate	Unconjugated
Applications	ELISA, WB ELISA: 1:20000-1:80000 WB: 1:200-1:1000
Format	Liquid
Concentration	1.0 mg/ml
Size	100 µl
Buffer	PBS, pH 7.4 with 0.02% sodium azide.
Preservative	0.02% sodium azide
Storage	This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20°C or below. Avoid

BACKGROUND

Introduction

LPIN1 (Lipin-1) is a multifunctional protein-coding gene, highly expressed in adipose tissue, skeletal muscle, and liver, crucial for lipid metabolism and energy homeostasis. It functions as both a phosphatidic acid phosphatase (PAP) enzyme (converting phosphatidic acid to diacylglycerol) and a transcriptional co-activator for PPAR γ and PPAR α . LPIN1 is critical for triglyceride synthesis, autophagy, and mitochondrial function, with its deficiency causing severe, recurrent rhabdomyolysis.

Keywords

LPIN1; Lipin-1
