

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Lipin 3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross-reactivity with recombinant human (rh) Lipin 3 is observed and less than 5% cross-reactivity with rhLipin 1 and
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Lipin 3 Thr428-Arg529 Accession # Q99PI4
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Mouse Lipin 3 is a 94 kDa member of the small Lipin family of nuclear proteins. It is primarily expressed in the GI tract and may play a role in DAG production or membrane synthesis. Lipin 3 is 848 amino acids (aa) in length. It shows conserved N- and C-terminal domains that flank an NLS between aa 135-144. Lipin 3 has modest phosphatidate phosphatase activity. Two potential isoforms exist; one shows a deletion of aa 507-537, while the other shows a 10 aa insertion between Glu 506 and Ser 507. Over aa 428-549, mouse Lipin 3 shares 84% and 96% aa sequence identity with human and rat Lipin 3, respectively.

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