

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Perilipin-2 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 788616
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Perilipin-2 Met1-His437 Accession # Q99541
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.
Immunohistochemistry	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

Perilipin-2 (PLIN2), also known as Adipophilin (ADFP) and Adipose Differentiation-Related Protein (ADRP), is a widely expressed 52 kDa acylated protein that associates with membranes and cytoplasmic lipid droplets. It is upregulated during adipocyte differentiation and is a major component of milk fat globules. Perilipin-2 promotes the cellular uptake and accumulation of long chain fatty acids and regulates the intracellular distribution of phospholipids. It promotes hepatic insulin resistance in response to a high fat diet. Human Perilipin-2 shares 82% and 79% aa sequence identity with mouse and rat Perilipin-2, respectively.

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