# Human Perilipin-2 Alexa Fluor® 532-conjugated Antibody

Monoclonal Mouse $IgG_{2B}$ Clone # 788620

Catalog Number: FAB7634X

100 µg

## DESCRIPTION

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| **Species Reactivity** | Human |
| **Specificity** | Detects human Perilipin-2 in direct ELISAs. |
| **Source** | Monoclonal Mouse $IgG_{2B}$ Clone # 788620 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | *E. coli*-derived recombinant human Perilipin-2<br>Met1-His437<br>Accession # Q99541 |
| **Conjugate** | Alexa Fluor 532<br>Excitation Wavelength: 534 nm<br>Emission Wavelength: 553 nm |
| **Formulation** | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.*

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

## PREPARATION AND STORAGE

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| **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.

## PRODUCT SPECIFIC NOTICES

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