

## Product datasheet

# Perilipin-1 peptide ab5009

### 3 References

#### Description

<b>Product name</b>	Perilipin-1 peptide
<b>Purity</b>	> 70 % HPLC. Peptides are analyzed by Reverse-Phase HPLC (RP-HPLC) in order to determine purity. Identities are confirmed by MALDI-MS.
<b>Animal free</b>	No
<b>Nature</b>	Synthetic

#### Specifications

Our **Abpromise guarantee** covers the use of **ab5009** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Blocking
<b>Form</b>	Lyophilized
<b>Additional notes</b>	This peptide may be used for neutralization and control experiments with the polyclonal antibody that reacts with this product and rat perilipin-1, catalog <b>ab3526</b> . Using a solution of peptide of equal volume and concentration to the corresponding antibody will yield a large molar excess of peptide (~ 70-fold) for competitive inhibition of antibody-protein binding reactions.

#### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Reconstitution</b>	>95% pure, lyophilized synthetic peptide. Reconstitute with 0.1 ml of distilled water.

#### General Info

<b>Function</b>	Modulator of adipocyte lipid metabolism. Coats lipid storage droplets to protect them from breakdown by hormone-sensitive lipase (HSL). Its absence may result in leanness.
<b>Tissue specificity</b>	Adipocytes.
<b>Sequence similarities</b>	Belongs to the perilipin family.
<b>Post-translational modifications</b>	Major cAMP-dependent protein kinase-substrate in adipocytes, also dephosphorylated by PP1. When phosphorylated, may be maximally sensitive to HSL and when unphosphorylated, may play

a role in the inhibition of lipolysis, by acting as a barrier in lipid droplet.

## **Cellular localization**

Lipid droplet. Lipid droplet surface-associated.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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