


Product datasheet

Anti-Perilipin-1 antibody [EPR3753(2)] ab172907

Recombinant RabMAb

★★★★★ [4 Abreviews](#) [8 References](#) [3 Images](#)

Overview

Product name	Anti-Perilipin-1 antibody [EPR3753(2)]
Description	Rabbit monoclonal [EPR3753(2)] to Perilipin-1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse  Does not react with: Rat
Immunogen	Synthetic peptide within Human Perilipin-1 aa 450 to the C-terminus (Cysteine residue). The exact sequence is proprietary. Database link: O60240
Positive control	Fetal heart, adipose tissue and feral liver lysates, HepG2 cells
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR3753(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab172907 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

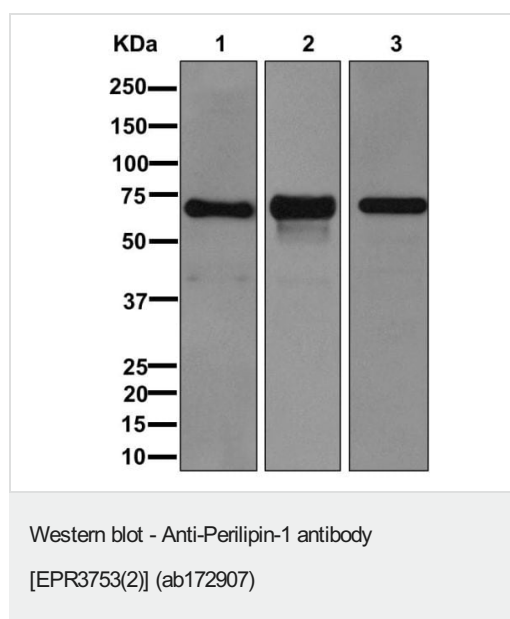
Application	Abreviews	Notes
WB	★★★★★ (2)	1/1000 - 1/5000. Predicted molecular weight: 62 kDa.
ICC/IF	★★★★★ (1)	1/100 - 1/250.

Application notes Is unsuitable for IHC-P or IP.

Target

Function	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.
Tissue specificity	Adipocytes.
Sequence similarities	Belongs to the perilipin family.
Post-translational modifications	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.

Images



Lane 1 : Anti-Perilipin-1 antibody [EPR3753(2)] (ab172907) at 1/2000 dilution

Lanes 2-3 : Anti-Perilipin-1 antibody [EPR3753(2)] (ab172907) at 1/10000 dilution

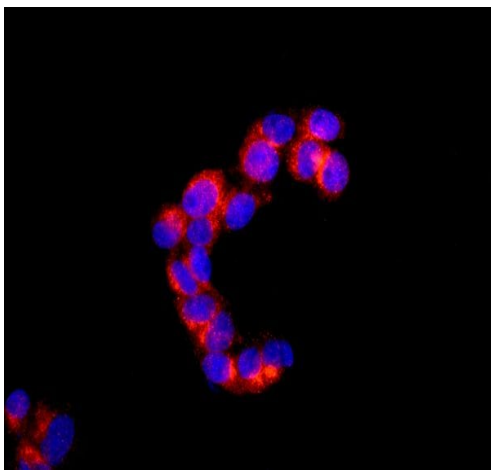
Lane 1 : Fetal heart tissue lysate

Lane 2 : Human adipose tissue lysate

Lane 3 : Fetal liver tissue lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 62 kDa



Immunofluorescent analysis of HepG2 cells labeling Perilipin-1 with ab172907 at 1/100 (red) and counterstained with DAPI (blue).

Immunocytochemistry/ Immunofluorescence - Anti-Perilipin-1 antibody [EPR3753(2)] (ab172907)

Why choose a recombinant antibody?



Anti-Perilipin-1 antibody [EPR3753(2)] (ab172907)

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