

Product datasheet for **BP5015**

Perilipin-1 (PLIN1) Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunoblotting (Western blotting): 1/2000 (ECL). Immunohistochemistry on Frozen Tissue: For staining protocols See ref. <i>Ohsaki et al.</i> Immunohistochemistry on Paraffin Sections: 1/100-200 when using microwave treatment. For protocol cf. <i>Straub et al.</i> 2008. Incubation Time: 1h at RT for Immunohistochemistry.
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Duplicated N-terminus of Perilipin, aa 1-20 (cf. <i>Greenberg et al.</i> 1992, JBC 266, 11341-11346)
Specificity:	The antiserum reacts specifically with Perilipins (A and B) located at the surface of intracellular storage lipid droplets present e.g. in the adrenal gland, adipocytes of white and brown adipose tissue and cultured cells such as 3T3-L1 adipocytes and cultured steroidogenic adrenal cortical and Leydig cells. It also is a useful pathological marker since PLIN1 becomes expressed de novo in hepatocyte steatogenesis. This antiserum does not cross-react with ADRP (Adipophilin) or TIP47 proteins (additional members of the PAT-family).
Formulation:	State: Serum State: Liquid stabilized antiserum Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	perilipin 1
Database Link:	<u>Entrez Gene 25629 Rat</u> <u>Entrez Gene 103968 Mouse</u> <u>Entrez Gene 5346 Human</u> <u>O60240</u>



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Background:	Perilipins build a family of phosphoproteins. The predominant forms in adipocytes, Perilipin A and B, arise by alternative RNA splicing from a single gene, generating polypeptides of 57 and 46 kD, respectively. The N-terminus, however, remains unchanged.
Synonyms:	Perilipin, PLIN, PLIN1, PLIN-1, PERI
Protein Families:	Druggable Genome
Protein Pathways:	PPAR signaling pathway