470 Store at -20C

Perilipin-1 (D418) Antibody



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Applications: WB, IHC-P, IF-IC	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 62	Source: Rabbit	UniProt ID: #O60240	Entrez-Gene Id: 5346
Product Usage Information	Ар	plication				Dilution
	We	stern Blotting				1:1000
	Imr	nunohistochemistry	(Paraffin)			1:100
	Imr	Immunofluorescence (Immunocytochemistry)				1:200
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at $-$ 20°C. Do not aliquot the antibody.				
Specificity / Sensitivity		Perilipin-1 (D418) Antibody detects endogenous levels of total perilipin-1 protein.				
Source / Purificati	sequ	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence around Asp418 of human perilipin-1. Antibodies are purified by protein A and peptide affinity chromatography.				
Background Triacylglycerol is stored in lipid droplets as a primary energy reserve. Perilipin is localized of lipid droplets and serves as a protective coating against lipases (1-3). Evidence suggeregulates lipolysis by phosphorylating perilipin (1,2,4,5). Phosphorylation of perilipin result conformational change that exposes lipid droplets to endogenous lipases, such as hormor lipases (2). Hence, perilipin plays a pivotal role in lipid storage (2,5).						gests that PKA esults in the
 Greenberg, A.S. et al. (1991) J Biol Chem 266, 11341-6. Brasaemle, D.L. (2007) J Lipid Res 48, 2547-59. Ducharme, N.A. and Bickel, P.E. (2008) Endocrinology 149, 942-9. Egan, J.J. et al. (1990) J Biol Chem 265, 18769-75. Brasaemle, D.L. et al. (2009) Mol Cell Biochem 326, 15-21. 						

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting **IHC-P:** Immunohistochemistry (Paraffin)

IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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