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Datasheet for ABIN7162902 anti-PLIN5 antibody (AA 305-453) (HRP)



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Quantity:	100 µg
Target:	PLIN5
Binding Specificity:	AA 305-453
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLIN5 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Perilipin-5 protein (305-453AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PLIN5
Alternative Name:	PLIN5 (PLIN5 Products)
Background:	Background: Lipid droplet-associated protein that maintains the balance between lipogenesis
	and lipolysis and also regulates fatty acid oxidation in oxidative tissues. Recruits mitochondria

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	to the surface of lipid droplets and is involved in lipid droplet homeostasis by regulating both
	the storage of fatty acids in the form of triglycerides and the release of fatty acids for
	mitochondrial fatty acid oxidation. In lipid droplet triacylglycerol hydrolysis, plays a role as a
	scaffolding protein for three major key lipolytic players: ABHD5, PNPLA2 and LIPE. Reduces the
	triacylglycerol hydrolase activity of PNPLA2 by recruiting and sequestering PNPLA2 to lipid
	droplets. Phosphorylation by PKA enables lipolysis probably by promoting release of ABHD5
	from the perilipin scaffold and by facilitating interaction of ABHD5 with PNPLA2. Also increases
	lipolysis through interaction with LIPE and upon PKA-mediated phosphorylation of LIPE (By
	similarity).
	Aliases: Lipid storage droplet protein 5 antibody, LSDA5 antibody, MLDP antibody, OXPAT
	antibody, Perilipin 5 antibody, Perilipin-5 antibody, PLIN5 antibody, PLIN5_HUMAN antibody
UniProt:	Q00G26
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.