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Product datasheet for LY300015

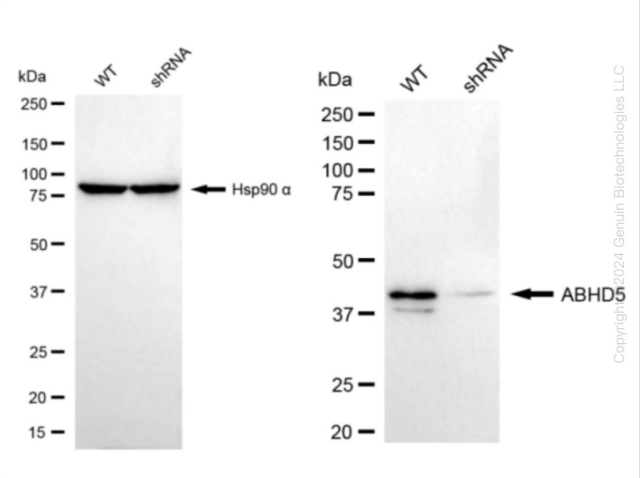
ABHD5 Human Knockdown Lysate

Product data:

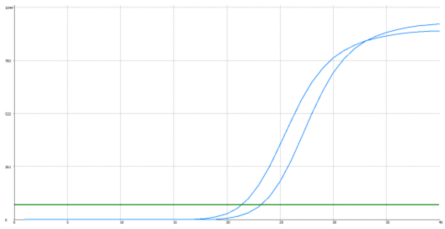
Product Type:	Knockdown Lysates
Description:	WB-validated ABHD5 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	ABHD5; Abhydrolase Domain Containing 5, Lysophosphatidic Acid Acyltransferase; NCIE2; 1-Acylglycerol-3-Phosphate O-Acyltransferase ABHD5; Abhydrolase Domain-Containing Protein 5; Lipid Droplet-Binding Protein CGI-58; EC 2.3.1.51; CGI-58; Abhydrolase Domain Containing 5; CGI58; IECN2
Predicted MW:	39 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug ABHD5 KD HeLa cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	51099
UniProt ID:	Q8WTS1
Protein Families:	Protease

View online »

Product images:



Western blotting analysis. ABHD5 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against ABHD5 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	21.22
Knock-Down	23.10
ΔCt (Ct_{KD}-Ct_{WT})	1.88
% mRNA Reduction	⬇ 73%

RT-qPCR analysis. HeLa cells were infected with ABHD5-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.