

Product datasheet for LY300394

PON2 Human Knockdown Lysate

Product data:

OriGene Technologies, Inc.

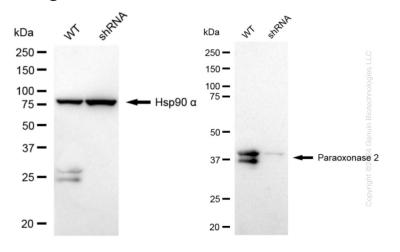
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Product Type:	Knockdown Lysates
Description:	WB-validated PON2 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	Paraoxonase 2; Serum Paraoxonase/Arylesterase 2; Serum Aryldialkylphosphatase 2; Aromatic Esterase 2; Paraoxonase Nirs; Arylesterase 2; A-Esterase 2; PON 2; EC 3.1.1.81; EC 3.1.1.2
Predicted MW:	39 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug PON2 KD HeLa cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	5445
UniProt ID:	<u>Q15165</u>
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways

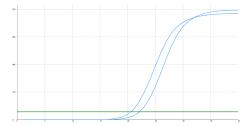


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Product images:



Western blotting analysis. PON2 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 PON2 and Hsp90 α, respectively, followed by incubating with HRPconjugated goat anti-rabbit secondary antibody. Images were developed using FeQ[™] ECL Substrate Kit.



Genotype	Ct Value	
Wild-Type	20.50	
Knock-Down	22.13	
$\Delta Ct (Ct_{KD}-Ct_{WT})$	1.63	
% mRNA Reduction	↓ 68%	

RT-qPCR analysis. HeLa cells were infected with PON2-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wildtype and knockdown cells using the following formula: (1-1/2 Δ Ct) x 100%.

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