

Product datasheet for **LY300210**

Importin 9 (IPO9) Human Knockdown Lysate

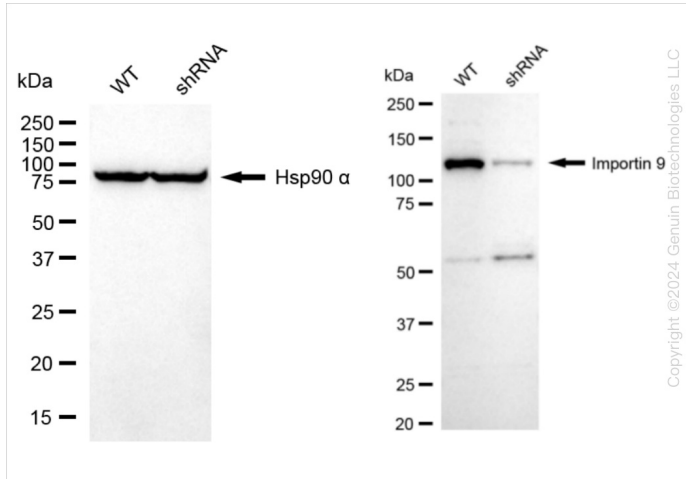
Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated IPO9 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	IPO9; Importin 9; Imp9; Ran-Binding Protein 9; Importin-9; FLJ10402; RanBP9; IMP9; KIAA1192; RANBP9
Predicted MW:	116 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug IPO9 KD HeLa cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	55705
UniProt ID:	<u>Q96P70</u>

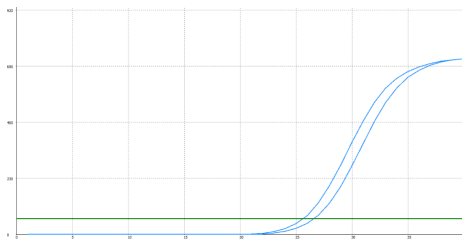


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Product images:



Western blotting analysis. IPO9 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 IPO9 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	25.21
Knock-Down	26.18
$\Delta Ct (Ct_{KD} - Ct_{WT})$	0.97
% mRNA Reduction	↓ 49%

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RT-qPCR analysis. HeLa cells were infected with IPO9-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.