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Product datasheet for LY300359

Cytokeratin 10 (KRT10) Human Knockdown Lysate

Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated KRT10 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	KRT10; Keratin 10; K10; CK10; KPP; Keratin, Type I Cytoskeletal 10; Keratin 10, Type I; Cytokeratin 10; CK-10; Keratosis Palmaris Et Plantaris; Epidermolytic Hyperkeratosis; Cytokeratin-10; Keratin-10; BCIE; EHK2; BIE; EHK; IHL
Predicted MW:	59 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug KRT10 KD HeLa cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	3858
UniProt ID:	P13645

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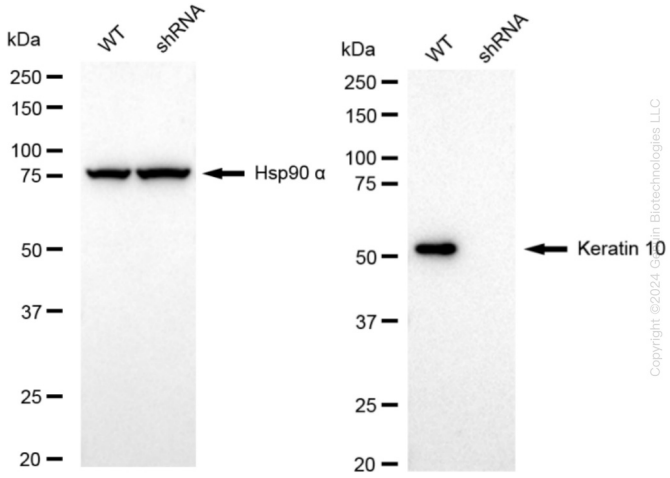
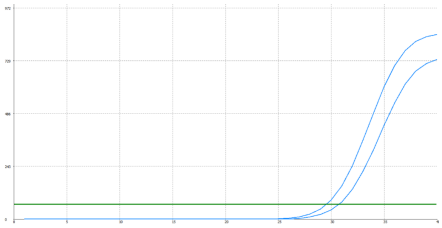
Product images:



Western blotting analysis. KRT10 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 KRT10 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	29.33
Knock-Down	30.26
ΔCt (Ct_{KD}-Ct_{WT})	0.93
% mRNA Reduction	⬇ 48%

RT-qPCR analysis. HeLa cells were infected with KRT10-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%.