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Product datasheet for LY300220

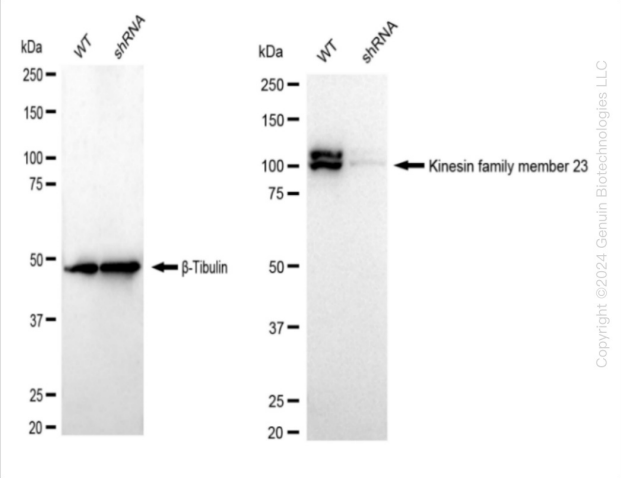
MKLP1 (KIF23) Human Knockdown Lysate

Product data:

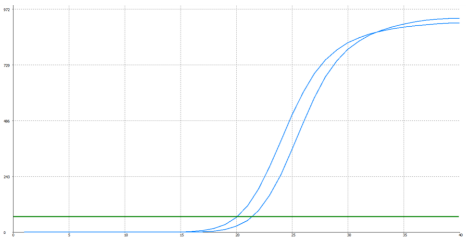
Product Type:	Knockdown Lysates
Description:	WB-validated KIF23 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	KIF23; Kinesin Family Member 23; MKLP1; MKLP-1; KNSL5; Kinesin-Like 5 (Mitotic Kinesin-Like Protein 1); Kinesin-Like Protein KIF23; Congenital Dyserythropoietic Anemia, Type III; Mitotic Kinesin-Like Protein 1; Kinesin-Like Protein 5; CDAIII; CDAN3A; CDAN3; CDA3; CHO1
Predicted MW:	110 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug KIF23 KD HeLa cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	9493
UniProt ID:	Q02241
Protein Families:	Druggable Genome

View online »

Product images:



Western blotting analysis. KIF23 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against KIF23 and β-Tubulin, 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	20.02
Knock-Down	21.36
ΔCt (Ct_{KD}-Ct_{WT})	1.34
% mRNA Reduction	⬇ 61%

RT-qPCR analysis. HeLa cells were infected with KIF23 -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%.