

Product datasheet for LY300245

MSI2 Human Knockdown Lysate

Product data:

Product Type: Knockdown Lysates

Description: WB-validated MSI2 Knockdown HeLa Cell Lysate

Species: Human **Expression Host:** HeLa

Tag: Tag Free

Synonyms: Musashi RNA Binding Protein 2; RNA-Binding Protein Musashi Homolog 2; Musashi-2;

Musashi Homolog 2 (Drosophila); Musashi Homolog 2; MSI2H

Predicted MW: 35 kDa

1 vial of 100 ug WT HeLa cell lysate Components:

1 vial of 100 ug MSI2 KD HeLa cell lysate

Storage: Store at -20 °C for two years.

Concentration: Lot-specific

Buffer: IntactProtein Cell-Tissue Lysis buffer

Locus ID: 124540 **UniProt ID:** Q96DH6



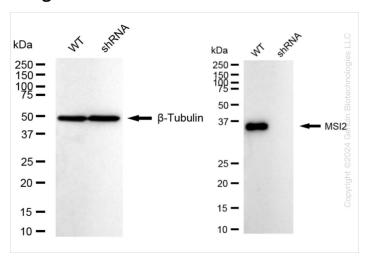
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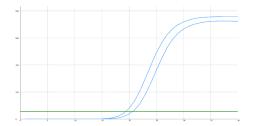
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Product images:



Western blotting analysis. MSI2 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 MSI2 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ $^{\text{TM}}$ ECL Substrate Kit.



| Genotype | Ct Value |
|---|--------------|
| Wild-Type | 19.29 |
| Knock-Down | 20.47 |
| ΔCt (Ct _{KD} -Ct _{WT}) | 1.18 |
| % mRNA Reduction | J 56% |

RT-qPCR analysis. HeLa cells were infected with MSI2-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 wild-type and knockdown cells using the following formula: (1-1/2 Δ Ct) x 100%.