

Product datasheet for LY300165

Flotillin 1 (FLOT1) Human Knockdown Lysate

Product data:

Product Type: Knockdown Lysates

Description: WB-validated FLOT1 Knockdown HeLa Cell Lysate

Species: Human Expression Host: HeLa

Tag: Tag Free

Synonyms: FLOT1; Flotillin 1; flotillin-1; Integral Membrane Component Of Caveolae

Predicted MW: 47 kDa

Components: 1 vial of 100 ug WT HeLa cell lysate

1 vial of 100 ug FLOT1 KD HeLa cell lysate

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

Concentration: Lot-specific

Buffer: IntactProtein Cell-Tissue Lysis buffer

Locus ID: 10211 **UniProt ID:** 075955

Protein Pathways: Insulin signaling pathway



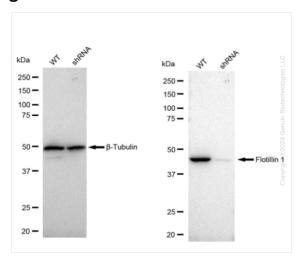
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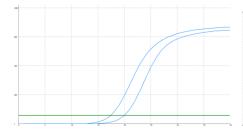
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Product images:



Western blotting analysis. FLOT1 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 FLOT1 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQTM ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	17.11
Knock-Down	19.61
ΔCt (Ct _{KD} -Ct _{WT})	2.5
% mRNA Reduction	♣ 82%

RT-qPCR analysis. HeLa cells were infected with FLOT1-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%.