

## **Product datasheet for LY300040**

## **AP2M1 Human Knockdown Lysate**

## **Product data:**

**Product Type:** Knockdown Lysates

**Description:** WB-validated AP2M1 Knockdown HeLa Cell Lysate

Species: Human Expression Host: HeLa

Tag: Tag Free

Synonyms: AP2M1; Adaptor Related Protein Complex 2 Subunit Mu 1; CLAPM1; AP50; Clathrin-

Associated/Assembly/Adaptor Protein, Medium 1; Clathrin Assembly Protein Complex 2 Mu Medium Chain; Clathrin Assembly Protein Complex 2 Medium Chain; Adaptor Related Protein Complex 2 Mu 1 Subunit; Adaptor-Related Protein Complex 2 Subunit Mu; Plasma Membrane

Adaptor AP-2 50 KDa Protein; Plasma Membrane Adaptor AP-2 50kDA Protein; Clathrin

Adaptor Complex AP2, Mu Subunit; Adaptor Protein Complex AP-2 Subunit Mu; Clathrin Coat-Associated Protein AP50; Clathrin Coat Assembly Protein AP50; Clathrin Coat Adaptor Protein AP50; AP-2 Complex Subunit Mu; HA2 50 KDA Subunit; AP-2 Mu 2 Chain; Adaptin-Mu2; Mu2;

HA2 50 KDa Subunit; AP-2 Mu Chain; KIAA0109; MRD60; MU2

Predicted MW: 50 kDa

**Components:** 1 vial of 100 ug WT HeLa cell lysate

1 vial of 100 ug AP2M1 KD HeLa cell lysate

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

**Concentration:** Lot-specific

**Buffer:** IntactProtein Cell-Tissue Lysis buffer

Locus ID: 1173

UniProt ID: Q96CW1

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis, Huntington's disease



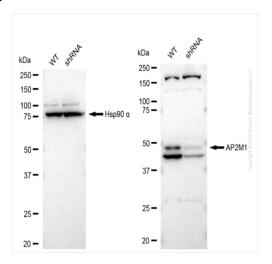
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

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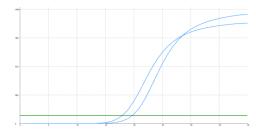
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## **Product images:**



Western blotting analysis. AP2M1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90  $\alpha$  served as a loading control. The blots were incubated with primary antibodies (Cat#61579, 1:5,000) against AP2M1 and Hsp90  $\alpha$  , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ^M ECL Substrate Kit (Cat#226).



Genotype	Ct Value
Wild-Type	17.78
Knock-Down	19.66
$\Delta Ct (Ct_{KD}-Ct_{WT})$	1.88
% mRNA Reduction	<b>J</b> 73%

RT-qPCR analysis. HeLa cells were infected with AP2M1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers.  $\Delta$ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2 $\Delta$ Ct) x 100%.