

Human AP2M1 Knockdown Cell Lysate

Cat. No. AP2M1-040HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated AP2M1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a subunit of the heterotetrameric coat assembly protein complex 2 (AP2), which belongs to the adaptor complexes medium subunits family. The encoded protein is required for the activity of a vacuolar ATPase, which is responsible for proton pumping occurring in the acidification of endosomes and lysosomes. The encoded protein may also play an important role in regulating the intracellular trafficking and function of CTLA-4 protein. Three transcript variants encoding different isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	50 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg AP2M1 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Endocytosis, Huntington's disease
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	AP2M1 adaptor-related protein complex 2, mu 1 subunit [Homo sapiens (human)]
Official Symbol	AP2M1
Synonyms	AP2M1; adaptor-related protein complex 2, mu 1 subunit; CLAPM1; AP-2 complex subunit mu; AP 2 mu 2 chain; AP50; clathrin adaptor complex AP2; mu subunit; clathrin assembly protein complex 2 medium chain; clathrin coat adaptor protein AP50; clathrin associated/assembly/adaptor protein; medium 1; HA2 50 kDa subunit; mu2; plasma membrane adaptor AP 2 50kDa protein; adaptin-mu2; AP-2 mu chain; AP-2 mu 2 chain; clathrin coat assembly protein AP50; clathrin coat-associated protein AP50; adaptor protein complex AP-2 subunit mu; clathrin adaptor complex AP2, mu subunit; plasma membrane adaptor AP-2 50kDa protein; plasma membrane adaptor AP-2 50 kDa protein; adapter-related protein complex 2 mu subunit; clathrin-associated/assembly/adaptor protein, medium 1;
Gene ID	1173

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mRNA Refseq	NM_001025205
Protein Refseq	NP_001020376
MIM	601024
UniProt ID	Q96CW1

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