

# Human APLP2 Knockdown Cell Lysate

Cat. No. APLP2-044HKCL Lot. No. (See product label)

## SPECIFICATION

**Product Overview** WB-validated APLP2 Knockdown HeLa Cell Lysate

**Species** Human

**Source** HeLa

**Description**

This gene encodes amyloid precursor- like protein 2 (APLP2), which is a member of the APP (amyloid precursor protein) family including APP, APLP1 and APLP2. This protein is ubiquitously expressed. It contains heparin-, copper- and zinc- binding domains at the N-terminus, BPTI/Kunitz inhibitor and E2 domains in the middle region, and transmembrane and intracellular domains at the C-terminus. This protein interacts with major histocompatibility complex (MHC) class I molecules. The synergy of this protein and the APP is required to mediate neuromuscular transmission, spatial learning and synaptic plasticity. This protein has been implicated in the pathogenesis of Alzheimer's disease. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

**Form** Cell-Tissue Lysis buffer


**Molecular Mass** 87 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.

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<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg APLP2 KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome, Transmembrane
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	APLP2 amyloid beta (A4) precursor-like protein 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	APLP2
<b>Synonyms</b>	APLP2; amyloid beta (A4) precursor-like protein 2; APPL2; amyloid-like protein 2; APPH; CDEI box-binding protein; amyloid precursor protein homolog HSD-2; CDEBP; APLP-2;
<b>Gene ID</b>	334
<b>mRNA Refseq</b>	NM_001142276
<b>Protein Refseq</b>	NP_001135748
<b>MIM</b>	104776
<b>UniProt ID</b>	Q06481

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