

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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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg APLP2 KD HeLa cell lysate
Protein Families	Druggable Genome, Transmembrane
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	APLP2 amyloid beta (A4) precursor-like protein 2 [Homo sapiens (human)]
Official Symbol	APLP2
Synonyms	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;
Gene ID	334
mRNA Refseq	NM_001142276
Protein Refseq	NP_001135748
MIM	104776
UniProt ID	Q06481

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