

Human APBB1 Knockdown Cell Lysate

Cat. No. APBB1-042HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated APBB1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is a member of the Fe65 protein family. It is an adaptor protein localized in the nucleus. It interacts with the Alzheimer's disease amyloid precursor protein (APP), transcription factor CP2/LSF/LBP1 and the low-density lipoprotein receptor-related protein. APP functions as a cytosolic anchoring site that can prevent the gene product's nuclear translocation. This encoded protein could play an important role in the pathogenesis of Alzheimer's disease. It is thought to regulate transcription. Also it is observed to block cell cycle progression by downregulating thymidylate synthase expression. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	77 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 APBB1 KD HeLa cell lysate
Protein Families	Transcription Factors
Protein Pathways	Alzheimer's disease
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	APBB1 amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65) [Homo sapiens (human)]
Official Symbol	APBB1
Synonyms	APBB1; amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65); RIR; amyloid beta A4 precursor protein-binding family B member 1; Fe65; stat-like protein; adaptor protein FE65a2; FE65; MGC:9072;
Gene ID	322
mRNA Refseq	NM_001164
Protein Refseq	NP_001155

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MIM	602709
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UniProt ID	O00213
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