# Human APBB1 Knockdown Cell Lysate

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

## SPECIFICATION

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| **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. |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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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

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| **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 |
| **UniProt ID** | O00213 |

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