Human UBE4B Knockdown Cell Lysate

Cat. No. UBE4B-462HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated UBE4B Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes an additional conjugation factor, E4, which is involved in multiubiquitin chain assembly. This gene is also the strongest candidate in the neuroblastoma tumor suppressor genes. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	146 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 UBE4B KD HeLa cell lysate
Protein Pathways	Ubiquitin mediated proteolysis
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	UBE4B ubiquitination factor E4B [Homo sapiens (human)]
Official Symbol	UBE4B
Synonyms	UBE4B; ubiquitination factor E4B; ubiquitination factor E4B (homologous to yeast UFD2), ubiquitination factor E4B (UFD2 homolog, yeast); ubiquitin conjugation factor E4 B; E4; KIAA0684; UBOX3; UFD2; homologous to yeast UFD2; UFD2A-III/UBE4B-III splice isoform; ubiquitin fusion degradation protein 2; ubiquitin-fusion degradation protein 2; homozygously deleted in neuroblastoma 1; homozygously deleted in neuroblastoma-1; ubiquitination factor E4B (UFD2 homolog, yeast); ubiquitination factor E4B (homologous to yeast UFD2); HDNB1; UFD2A;
Gene ID	10277
mRNA Refseq	NM_001105562
Protein Refseq	NP_001099032
MIM	613565

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UniProt ID	O95155

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