Human RBBP4 Knockdown Cell Lysate

Cat. No. RBBP4-419HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated RBBP4 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. It is present in protein complexes involved in histone acetylation and chromatin assembly. It is part of the Mi-2 complex which has been implicated in chromatin remodeling and transcriptional repression associated with histone deacetylation. This encoded protein is also part of co-repressor complexes, which is an integral component of transcriptional silencing. It is found among several cellular proteins that bind directly to retinoblastoma protein to regulate cell proliferation. This protein also seems to be involved in transcriptional repression of E2F-responsive genes. Three transcript variants encoding different isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	48 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 RBBP4 KD HeLa cell lysate
Protein Families	Druggable Genome, Transcription Factors
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	RBBP4 retinoblastoma binding protein 4 [Homo sapiens (human)]
Official Symbol	RBBP4
Synonyms	RBBP4; retinoblastoma binding protein 4; histone-binding protein RBBP4; NURF55; RbAp48; RBBP-4; CAF-I p48; CAF-1 subunit C; CAF-I 48 kDa subunit; MSI1 protein homolog; retinoblastoma-binding protein 4; retinoblastoma-binding protein p48; chromatin assembly factor 1 subunit C; chromatin assembly factor I p48 subunit; chromatin assembly factor/CAF-1 p48 subunit; nucleosome-remodeling factor subunit RBAP48; RBAP48;
Gene ID	5928
mRNA Refseq	NM_001135255
Protein Refseq	NP_001128727

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MIM	602923
UniProt ID	Q09028

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