

Human C4BPB Knockdown Cell Lysate

Cat. No. C4BPB-472HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated C4BPB Knockdown HepG2 Cell Lysate
Species	Human
Source	HepG2
Description	This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. A single, unique beta-chain encoded by this gene assembles with seven identical alpha-chains into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. C4b-binding protein has a regulatory role in the coagulation system also, mediated through the beta-chain binding of protein S, a vitamin K-dependent protein that serves as a cofactor of activated protein C. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Alternative splicing gives rise to multiple transcript variants.
Form	Cell-Tissue Lysis buffer
Molecular Mass	28 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HepG2 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

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	equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HepG2 cell lysate 1 vial of 100 µg C4BPB KD HepG2 cell lysate
Protein Pathways	Complement and coagulation cascades
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	C4BPB complement component 4 binding protein, beta [Homo sapiens (human)]
Official Symbol	C4BPB
Synonyms	C4BPB; complement component 4 binding protein, beta; C4BP, complement component 4 binding protein, beta; C4b-binding protein beta chain; C4b binding protein; beta chain; complement component 4 binding protein; C4BP;
Gene ID	725
mRNA Refseq	NM_000716
Protein Refseq	NP_000707
MIM	120831

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