

Recombinant Human RBCK1 293 Cell Lysate

Cat. No. RBCK1-2487HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	RBCK1 RanBP-type and C3HC4-type zinc finger containing 1 [Homo sapiens]
Official Symbol	RBCK1
Synonyms	RBCK1; RanBP-type and C3HC4-type zinc finger containing 1; C20orf18, chromosome 20 open reading frame 18; ranBP-type and C3HC4-type zinc finger-containing protein 1; RBCK2; RNF54; UBCE7IP3; XAP4; ZRANB4; RING finger protein 54; HBV associated factor 4; HBV-associated factor 4; RBCC protein interacting with PKC1; heme-oxidized IRP2 ubiquitin ligase 1; hepatitis B virus X-associated protein 4; ubiquitin conjugating enzyme 7 interacting protein 3; ubiquitin-conjugating enzyme 7-interacting protein 3; XAP3; HOIL1; HOIL-1; C20orf18;
Gene ID	10616
mRNA Refseq	NM_006462
Protein Refseq	NP_006453
MIM	610924
UniProt ID	Q9BYM8
Chromosome Location	20p13
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I

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MHC mediated antigen processing & presentation, organism-specific biosystem;
Immune System, organism-specific biosystem;

Function

DNA binding; ligase activity; metal ion binding; protein binding; protein kinase C binding; NOT sequence-specific DNA binding transcription factor activity; ubiquitin binding; ubiquitin-protein ligase activity; zinc ion binding;

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