

Human MAPKAPK2 Knockdown Cell Lysate

Cat. No. MAPKAPK2-370HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated MAPKAPK2 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the Ser/Thr protein kinase family. This kinase is regulated through direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase is known to be involved in many cellular processes including stress and inflammatory responses, nuclear export, gene expression regulation and cell proliferation. Heat shock protein HSP27 was shown to be one of the substrates of this kinase in vivo. Two transcript variants encoding two different isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	46 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 MAPKAPK2 KD HeLa cell lysate
Protein Families	Druggable Genome, Protein Kinase
Protein Pathways	MAPK signaling pathway, Neurotrophin signaling pathway, VEGF signaling pathway
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	MAPKAPK2 mitogen-activated protein kinase-activated protein kinase 2 [Homo sapiens (human)]
Official Symbol	MAPKAPK2
Synonyms	MAPKAPK2; mitogen-activated protein kinase-activated protein kinase 2; MAP kinase-activated protein kinase 2; MAPKAP kinase 2; MAPK-activated protein kinase 2; MK2; MK-2; MAPKAP-K2;
Gene ID	9261
mRNA Refseq	NM_004759
Protein Refseq	NP_004750
MIM	602006

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UniProt ID

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