

## Human MAP3K2 Knockdown Cell Lysate

**Cat. No.** MAP3K2-503HKCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated MAP3K2 Knockdown HT-1080 Cell Lysate                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HT-1080                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | <p>The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase preferentially activates other kinases involved in the MAP kinase signaling pathway. This kinase has been shown to directly phosphorylate and activate I kappa B kinases, and thus plays a role in NF-kappa B signaling pathway. This kinase has also been found to bind and activate protein kinase C-related kinase 2, which suggests its involvement in a regulated signaling process.</p> |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 70 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Notes</b>            | <p>Instruction of use: This knockdown cell lysate should be paired with wild-type HT-1080 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.</p>                                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20 centigrade for two years.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>    | Lot-specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|-------------------------|----------------------------------------------------------------------------------------|
| <b>Shipping</b>         | Blue Ice                                                                               |
| <b>Components</b>       | 1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg MAP3K2 KD HT-1080 cell lysate |
| <b>Protein Families</b> | Druggable Genome, Protein Kinase                                                       |
| <b>Protein Pathways</b> | Gap junction, GnRH signaling pathway, MAPK signaling pathway                           |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                         |

## GENE INFORMATION

|                        |                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MAP3K2 mitogen-activated protein kinase kinase kinase 2 [ Homo sapiens (human) ]                                                                  |
| <b>Official Symbol</b> | MAP3K2                                                                                                                                            |
| <b>Synonyms</b>        | MAP3K2; mitogen-activated protein kinase kinase kinase 2; MEKK2; MAP/ERK kinase kinase 2; MEKK2B; MEKK 2; MEK kinase 2; MAPK/ERK kinase kinase 2; |
| <b>Gene ID</b>         | 10746                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_006609                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_006600                                                                                                                                         |
| <b>MIM</b>             | 609487                                                                                                                                            |
| <b>UniProt ID</b>      | Q9Y2U5                                                                                                                                            |

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