

# Human AKT1S1 Knockdown Cell Lysate

**Cat. No.** AKT1S1-032HKCL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated AKT1S1 Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | AKT1S1 is a proline-rich substrate of AKT (MIM 164730) that binds 14-3-3 protein when phosphorylated.                                                                                                                                                                            |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 27 kDa                                                                                                                                                                                                                                                                           |
| <b>Notes</b>            | 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. |
| <b>Storage</b>          | Store at -20 centigrade for two years.                                                                                                                                                                                                                                           |
| <b>Concentration</b>    | Lot-specific                                                                                                                                                                                                                                                                     |
| <b>Shipping</b>         | Blue Ice                                                                                                                                                                                                                                                                         |
| <b>Components</b>       | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg AKT1S1 KD HeLa cell lysate                                                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Lysate QC** RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

|                        |                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | AKT1S1 AKT1 substrate 1 (proline-rich) [ Homo sapiens (human) ]                                                                                                                                           |
| <b>Official Symbol</b> | AKT1S1                                                                                                                                                                                                    |
| <b>Synonyms</b>        | AKT1S1; AKT1 substrate 1 (proline-rich); proline-rich AKT1 substrate 1; Lobe; MGC2865; PRAS40; proline rich Akt substrate; 40 kDa; 40 kDa proline-rich AKT substrate; proline-rich Akt substrate, 40 kDa; |
| <b>Gene ID</b>         | 84335                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>     | NM_001098632                                                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_001092102                                                                                                                                                                                              |
| <b>MIM</b>             | 610221                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | Q96B36                                                                                                                                                                                                    |

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