**Supplementary Table A.** siRNAs used in the study.

|  |  |
| --- | --- |
| **ON-TARGETplus siRNA DHARMACON** | **cat #** |
| eIF3d | L-017556-00 |
| eIF3e | L-010518-00 |
| eIF3h | L-003883-00 |
| Non-targeting | D-001810-03 |

**Supplementary Table B.** qPCR primers used in the study.

|  |  |
| --- | --- |
| **Name** | **5ˈto 3ˈ sequence** |
| Akt1\* | CTTCTTTGCCGGTATCGTG |
| Akt1-R\* | TGCTGTCATCTTGGTCAGG |
| ALAS1 | CCACTGGAAGAGCTGTGTGATGTG |
| ALAS1-R | GCGATGTACCCTCCAACACAACC |
| ATF4 | AAACCTTACGATCCTCCTGGAG |
| ATF4-R | TGGCTGCTGTCTTGTTTTGC |
| eIF3b\* | TGTGAAAGGTACCTGGTGAC |
| eIF3b R\* | AATAGGCCAATGGGCTGAG |
| eIF3d | CCAACCCAAACCCGTTTGTG |
| eIF3d R | TCTTCAGCTCCGTGGCAATG |
| eIF3e | CTGGTTCCAGCAACAGATAG |
| eIF3e R | GTGGCTGATAAAGGAAGAGG |
| eIF3h\* | GCTGACTTTGATGAAGTCCA |
| eIF3h R\* | ATGTGGACTGATACCAGCC |
| GRB2\* | CTCTGTCAAGTTTGGAAACGA |
| GRB-R\* | TGAACTTCACCACCCAGAG |
| Jun\* | CAACATGCTCAGGGAACAG |
| Jun-R\* | ACTGTTAACGTGGTTCATGAC |
| MAP2K1\* | CCAGAAAGCTAATTCATCTGGAG |
| MAP2K1-R\* | GTTGCACTCATGCAGAACC |
| PAK1\* | CTTTGACCCGGAATACTGAG |
| PAK1-R\* | CACTATGCTTCGTAATTTCTCC |
| RAF1\* | CACAACTTTGCTCGGAAGAC |
| RAF1-R\* | ACATCGAAATCCATTGAGCAG |
| RPL26\* | GATGATGAAGTTCAGGTTGTACG |
| RPL26-R\* | CATATTTCTTCCTGTAAACCTGGAC |
| RPLP1\* | CTACTCGGCCCTCATTCTG |
| RPLP1-R\* | CCACTTTCTTCTCCTCAGC |
| RPS2\* | AGATCATTGATTTCTTCCTGGG |
| RPS2-R\* | CAACAAATGCCTTGAACCTG |
| RPS3\* | TTATCTTAGCCACCAGAACAC |
| RPS3-R\* | TCTTCTGAACTACAGCAGTC |
| RPS6KA1\* | AACGCTGAAAGTACGTGAC |
| RPS6KA1-R | CATAGTGCAGCTTCACCAC |
| RPS6KA3\* | CTATACAATGCTTACCGGTTACAC |
| RPS6KA3-R\* | CTACCTATTCGTGCCAATATTTCC |
| RPS9\* | AAGAGCTGAAGCTGATCGG |
| RPS9-R\* | AATTTGACCCTCCAGACCTC |
| SOS1\* | TGGTGTCCTTGAGGTTGTC |
| SOS1-R\* | GGCGACTTGGTATTTGCTC |

\*primersˈ sequences were obtained from the database GETPrime, available at

http://bbcftools.epfl.ch/getprime

**Supplementary Table C.** Antibodies used in the study.

|  |  |
| --- | --- |
| **Antibody** | **source** |
| AKT1 | Cell Signaling Technology Cat# 2938, RRID:AB\_915788 |
| ATF4 | Cell Signaling Technology Cat# 11815, RRID:AB\_2616025 |
| eIF3b | Thermo Fisher Scientific Cat# PA5-23278, RRID:AB\_2540802 |
| eIF3d | Atlas Antibodies Cat# HPA066216, RRID:AB\_2685637 |
| eIF3e | Thermo Fisher Scientific Cat# PA5-29487, RRID:AB\_2546963 |
| eIF3h | Cell Signaling Technology Cat# 3413, RRID:AB\_2277726 |
| ERK1/2 | Santa Cruz Biotechnology Cat# sc-514302, RRID:AB\_2571739 |
| P-ERK1/2 | Cell Signaling Technology Cat# 4370, RRID:AB\_2315112 |
| GAPDH | Thermo Fisher Scientific Cat# PA1-987, RRID:AB\_2107311 |
| GRB2 | BD Biosciences Cat# 610112, RRID:AB\_397518 |
| JUN | Cell Signaling Technology Cat# 9165, RRID:AB\_2130165 |
| P-JUN | Cell Signaling Technology Cat# 9261, RRID:AB\_2130162 |
| LAMIN B1 | Cell Signaling Technology Cat# 12586, RRID:AB\_2650517 |
| MDM2 | Cell Signaling Technology Cat# 86934, RRID:AB\_2784534 |
| MEK1 | BD Biosciences Cat# 610122, RRID:AB\_397528 |
| PAK1 | Santa Cruz Biotechnology Cat# sc-881, RRID:AB\_2160720 |
| RAF | Santa Cruz Biotechnology Cat# sc-133, RRID:AB\_632305 |
| RPL13A | Cell Signaling Technology Cat# 2765, RRID:AB\_916223 |
| RPL26 | Cell Signaling Technology Cat# 5400, RRID:AB\_10698750 |
| RPLP1 | Sigma-Aldrich Cat# HPA003368, RRID:AB\_1079845 |
| RPS2 | Santa Cruz Biotechnology Cat# sc-130399, RRID:AB\_2238506 |
| RPS3 | Proteintech Cat# 15198-1-AP, RRID:AB\_2253905 |
| RPS9 | Thermo Fisher Scientific Cat# PA5-13569, RRID:AB\_2182393 |
| RSK1 | Santa Cruz Biotechnology Cat# sc-231, RRID:AB\_632367 |
| RSK2 | Santa Cruz Biotechnology Cat# sc-9986, RRID:AB\_672176 |
| SOS1 | Cell Signaling Technology Cat# 12409, RRID:AB\_2797902 |