**Table S1**

|  |  |  |
| --- | --- | --- |
| **Oligonucleotides** | SOURCE | IDENTIFIER |
| Primers for generating pEGFP-AKAP6β by Cold Fusion

|  |
| --- |
| AKAP6β:5-atccaccggtcgccaccatGaccaccagccaggccaaaactaaat-3 |
| 5-agctcctcgcccttgctcacCCTATGCATGTTACTGTGTCGATT-3 |
| pEGFP-N1: |
| 5-GACACAGTAACATGCATAGGgtgagcaagggcgaggagctgttca-3 |
| 5-tttggcctggctggtggtCatggtggcgaccggtggatcccgg-3 |

 | This paper | N/A |
| Primers for silencing the siRNA site of AKAP6:

|  |
| --- |
| 5-AGTaaTgaTTtGgaCcaGgacccagagcctatgctaccc-3 |
| 5-CtgGtcCaAAtcAttACTttcttcatgcacactaatgag-3 |

 | This paper | N/A |
| Primers for generating pGBKT7-AKAP6-SR1 by Cold Fusion:

|  |
| --- |
| AKAP6-SR1 (585-915):5-CCCAAGGCCGAGGTTCAGCTCTGGtcgacctgcagcggccgcataa-3 |
| 5-CTGAGCCAAAGATCTGGGATCCcaggtcctcctctgagatcagct-3 |
| pGBKT7:5-agctgatctcagaggaggacctgGGATCCCAGATCTTTGGCTCAG-3 |
| 5-ttatgcggccgctgcaggtcgaCCAGAGCTGAACCTCGGCCTTGGG-3 |

 | This paper | N/A |
| Primers for generating pGEX4T1-AKAP6-SR1-3 by Cold Fusion

|  |
| --- |
| AKAP6-SR1-3 (585-1286):5-ATCTGGTTCCGCGTGgatcccAgatcTTTGGCTCAGATAGCATCAA-3 |
| 5-GTCACGATGCGGCCGCTCGAGtcgaCCACTTGGTAAATGTGTGGG-3pGEX4T1: |
| 5-GCCCACACATTTACCAAGTGGtcgaCTCGAGCGGCCGCATCGTGA-3 |
| 5-CTATCTGAGCCAAAgatcTgggatcCACGCGGAACCAGATCCGAT-3 |

 | This paper | N/A |
| Pimers for generating AKAP6-tdTomato-SR1-Farnesyl by Cold Fusion

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| --- |
| mCherry-Farnesyl5: 5-TCCGGACTCAGATCTAAG-35-CTTGTACAGCTCGTCCATG-3 AKAP6-SR1 (585-915):5-gcatggacgagctgtacaagTTTGGCTCAGATAGCATCAAATCC-35-agcttagatctgagtccggaGAGCTGAACCTCGGCCTTG-3 |

 | This paper | N/A |
| Primers for generating AKAP6-SR1-mCherry-Farnesyl by Cold Fusion

|  |
| --- |
| AKAP6-SR1 (585-915):5˗gtgaacgtcagatccgctagcgctaccggtcgccaccatgCAGATCTTTGGCTCAGATAGCATCAAATCCCCGG-3 |
| 5˗ccttgatgatggccatgttatcctcctcgcccttgctcacccgcgatcgcCAGAGCTGAACCTCGGCCTTGGGGC-3 mCherry-Farnesyl5: |
| 5-gcgatcgcggGTGAGCAAGGGCGAGGAGGATAACATG -3 |
| 5-CATGGTGGCGACCGGTAGCGCTAGC-3 |

 | This paper | N/A |
| Primers to generate pEGFP-AKAP6-SR1-3 (585-1286)

|  |
| --- |
| 5-gggcccAGATCTTTGGCTCAGATAGCATCAAATCC-3 |
| 5-gggcccGTCGACCACTTGGTAAATGTGTGGGCTG-3 |

 | This paper | N/A |
| Primers to generate pEGFP-AKAP6-SR1-2 (585-1065)5-gggcccAGATCTTTGGCTCAGATAGCATCAAATCC-35-gggcccGTCGACacgtgggcccgacccactg-3 | This paper | N/A |
| Primers to generate pEGFP-AKAP6-SR1 (585-915)5-gggcccAGATCTTTGGCTCAGATAGCATCAAATCC-35-gggcccGTCGACcagagctgaacctcggccttg-3 | This paper | N/A |
| Primers to generate pEGFP-AKAP6-SR2 (915-1065)

|  |
| --- |
| 5-gggcccAGATCTgccacctggaaacacagagag-3 |
| 5-gggcccGTCGACacgtgggcccgacccactg-3 |

 | This paper | N/A |
| Primers to generate pEGFP-AKAP6-SR3 (1065-1286)5-gggcccAGATCTgcccacgtgacctgctatc-35-gggcccGTCGACCACTTGGTAAATGTGTGGGCTG-3 | This paper | N/A |
| Primers to generate mCherry-mNesprin-1α

|  |
| --- |
| gggcccgaattcATGGTGGTGGCAGAGGACTTGC gggcccGtcgaCTCAGAGTGGAGGAGGACCGTT |

 | This paper | N/A |
| Primers to generate pCMV-Tag2b-hAKAP9-PACT

|  |
| --- |
| 5-gggcccgaattcGCCAACATTGAAGCCATCATTG-3 |
| 5-gggcccgtcgacCTTCTCATGCCAGCATGAAATTG-3 |

 | This paper | N/A |
| Primers to generate pCMV-Tag2b-hPcnt-PACT

|  |
| --- |
| 5-gggcccgaattcGAAAGGTCTGCTTGGAAGC-3 |
| 5-gggcccgtcgacCGGGTGGCAGGATTTCTTTGAAG-3 |

 | This paper | N/A |
| Primers to generate pEGFP-AKAP9-AK1b

|  |
| --- |
| 5-GGGCCCAGATCTTGATGGAAAGTGAGTTGGCTGGGAAG-3 |
| 5-GGGCCCGTCGACCATTTCCTCCATCTGTGCCATGTGTTG-3 |

 | This paper | N/A |