**Table S10: Statistical analysis of Western Blot and immunofluorescence assays in cancer cells upon BAT or Tau treatment for 48 hours.** Statistics show comparison of BAT and Tau treated groups and the negative control (NC). Ns not significant, \*p<0.05, \*\* p<0.01, \*\*\*p<0.001, \*\*\*\*p<0.0001.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| RKO cells | 0.5mM BAT | 1mM BAT | 1.75mM BAT | 100mM Tau | 200mM Tau |
| p53 | ns | ns | \*\* | ns | \*\*\* |
| PUMA | \*\* | \*\* | \*\* | \*\*\* | \*\*\*\* |
| Bak | \* | ns | \*\* | \*\* | \* |
| Bax | \* | \*\* | \*\* | \* | \* |
| Bim | \* | \* | \*\* | \*\* | \*\* |
| Bik | \*\*\* | \*\*\* | \*\* | \*\* | \*\*\* |
| p-Bad | \*\*\* | \*\*\* | \*\* | \*\* | \*\* |
| Bid | ns | ns | ns | \* | \*\* |
| Bcl-xL | ns | \* | \* | ns | ns |
| Bcl-2 | ns | ns | ns | ns | ns |
| p21 | ns | \* | \*\* | ns | \* |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| MDA-MB-468 cells | 0.5mM BAT | 1mM BAT | 1.75mM BAT | 100mM Tau | 200mM Tau |
| p53 | \* | \* | ns | ns | ns |
| PUMA | ns | ns | ns | ns | ns |
| Bak | ns | \* | \*\* | ns | ns |
| Bax | \*\* | \*\* | \* | ns | ns |
| Bim | ns | \*\* | \*\* | \*\*\*\* | \*\*\*\* |
| Bik | ns | ns | \* | ns | ns |
| p-Bad | ns | ns | ns | ns | ns |
| Bid | ns | ns | ns | ns | ns |
| Bcl-xL | ns | ns | \* | ns | Ns |
| Bcl-2 | ns | ns | ns | ns | ns |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| RKO cells | 0.5mM BAT | 1mM BAT | 1.75mM BAT | 100mM Tau | 200mM Tau |
| JNK1/2 | ns | ns | ns | ns | \* |
| p-JNK1/2 | \*\*\*\* | \* | \*\*\*\* | \*\*\*\* | \*\*\* |
| p38MAPK | ns | \* | \* | \* | ns |
| p-p38MAPK | ns | \* | \*\*\* | ns | \*\*\* |
| ERK1/2 | ns | ns | ns | ns | ns |
| p-ERK1/2 | \*\*\* | \*\* | \*\*\*\* | ns | \* |
| MEK1/2 | ns | \* | ns | \* | ns |
| p-MEK1/2 | \*\*\*\* | \*\*\* | \*\*\*\* | \* | \*\* |
| p-Akt | \*\* | \*\* | \*\* | \*\* | ns |
| NF-kB (p65) | \*\*\* | \* | \* | \* | ns |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| RKO cells | 0.5mM BAT | 1mM BAT | 1.75mM BAT | 100mM Tau | 200mM Tau |
| Beclin-1 | \* | \*\* | \*\* | \*\* | \*\* |
| Total LC3 | \* | \* | \*\* | \*\* |  |
| LC3 II/I | \* | \*\* | \*\* | ns |  |
| p62 | \* | ns | \*\* | ns | ns |
| p-p53 | \* | \* | \*\* | \*\* |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| RKO cells | 0.5mM BAT | 1mM BAT | 1.75mM BAT | 100mM Tau | 200mM Tau |
| Beclin-1 | \* | \*\* | \*\* | \*\* | \*\* |
| p62 | \* | ns | \*\* | ns | ns |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RKO cells | 0.5mM BAT | 1mM BAT | 1.75mM BAT | 100mM Tau |
| Total LC3 | \* | \* | \*\* | \*\* |
| LC3 II/I | \* | \*\* | \*\* | ns |
| p-p53 | \* | \* | \*\* | \*\* |