Figure 5

(a) and (b) show the effect of different treatments on the expression of S6K1 and p-S6K1 (Thr389) in MDA-MB-231 cells (ER-negative; also LKB1-negative) as measured by Western Blot (WB). The treatments include control, Glc (-), Tamoxifen, and 4-OH-Tamoxifen. The graphs depict the percentage of S6K1 or p-S6K1 (Thr389) expression relative to GAPDH.

(c) and (d) illustrate the effect of different amino acids (Leu, Met, Cys) on S6K1 and p-S6K1 (Thr389) expression. The bars indicate a significant increase in expression compared to control as indicated by the asterisk (*).

(e) and (f) present a gel image showing the expression levels of S6K1, p-S6K1 (Thr389), and GAPDH under various conditions. The graph in (f) represents the average stimulation or inhibition of 4-OH-Tamoxifen and Leu (-) compared to Glc (-) on S6K1 activation.