Figure legends of supplementary data

- Fig. S1(A) The mRNA expression of BCAT1, BCAT2, BCKDHA, BCKDHB, PPM1K, KLF15 in normal and tumor tissues in TCGA database, the analysis was performed by R project. Error bars represent the mean ± SD values. (B) The expression of BCKDK in MCF-7 cells and MDA-MB-231 cells was detected by western-blot.
- Fig. S2(A, B) The migration capability was detected by wound healing assays in both cells, Scale bar: 100 μm. (C, D) The expression of EMT-related markers were detected by western-blot. (E, F) Effects of BT2 on circulating branched-chain amino acids (BCAA) and liver BCKDH activity. (G, H) The concentration of BCAA in the cellular supernatant.
- Fig. S3 (A) A list of potential E3 ubiquitin ligases that interacted with talin1 by performing Co-IP and mass spectrometry assays. (B) The expression of TRIM21 in MDA-MB-231 cells was detected by western-blot. (C, D) The expression of JAK2, P-AKT, AKT were detected by western-blot.
- Fig. S4(A, B) The immunoprecipitation of talin1 and β 1-integrin was detected in these cell lines.

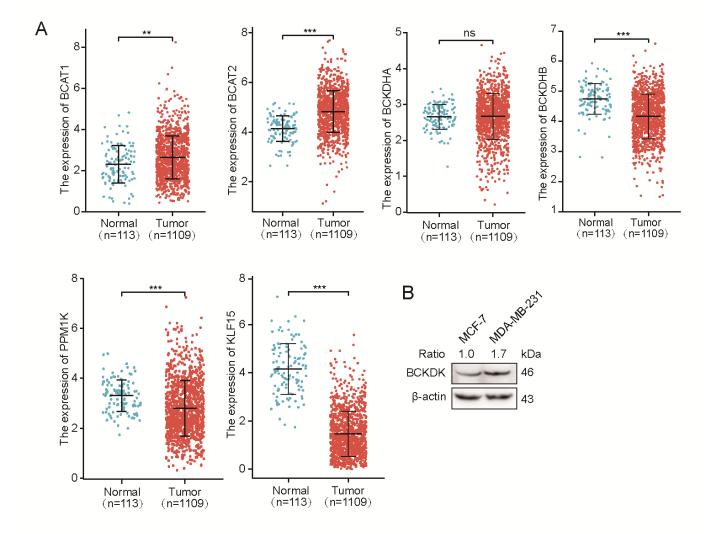


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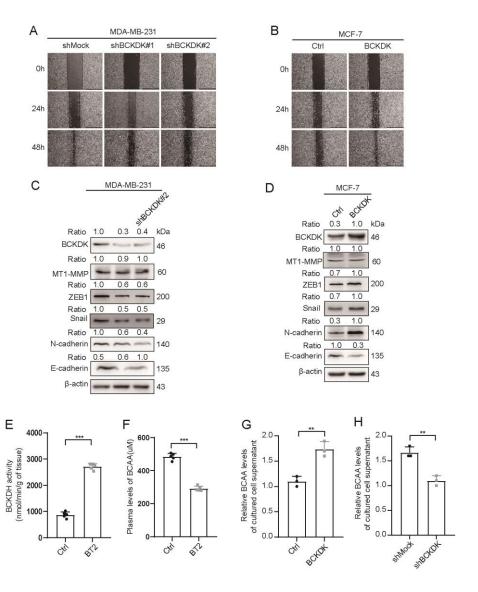


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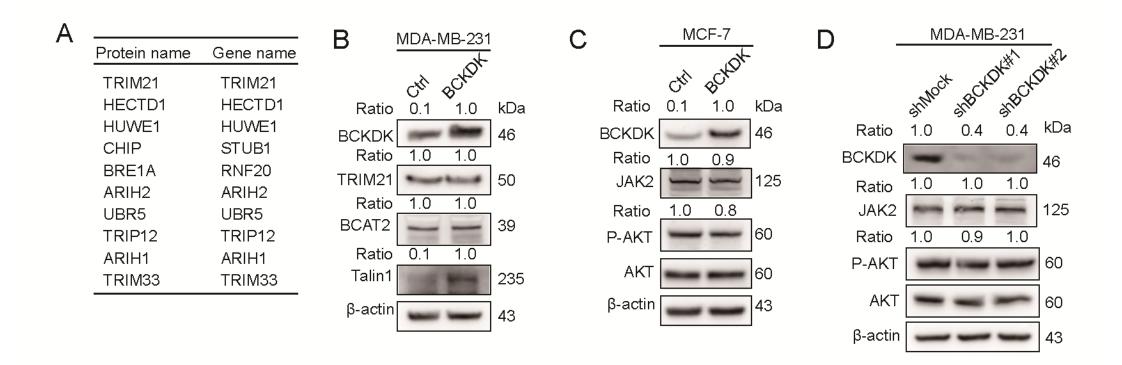


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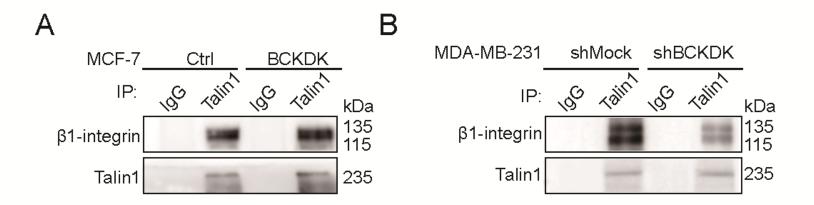


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