

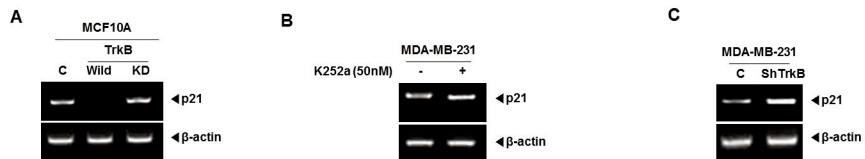
Supplemental Figure Legends

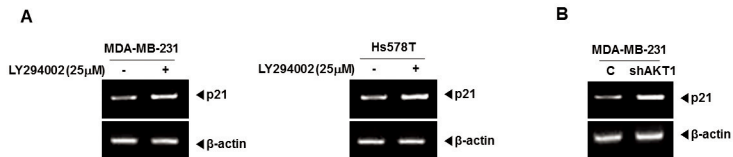
Figure S1. TrkB reduces p21 expression via suppression of Runx3 expression.

(A) RT-PCR analysis of p21 mRNA levels in MCF10A, MCF10A-TrkB, and MCF10A-TrkB kinase dead mutant cells. β -actin was used as a loading control. (B) RT-PCR analysis of p21 mRNA levels in MDA-MB-231 cells with or without K252a treatment. β -actin was used as a loading control. (C) RT-PCR analysis of p21 mRNA levels in MDA-MB-231 control-shRNA or TrkB-shRNA cells. β -actin was used as a loading control.

Figure S2. Inhibition of AKT1 in the presence of TrkB induces expression of p21 via induction of Runx3 expression.

(A) RT-PCR analysis of p21 mRNA levels in MDA-MB-231 or Hs578T cells with or without LY294002 treatment. β -actin was used as a loading control. (B) RT-PCR analysis of p21 mRNA levels in MDA-MB-231 control-shRNA or AKT1-shRNA cells. β -actin was used as a loading control.





Supplemental Table

Supplemental Table 1. Primer sequences for RT-PCR

Gene	Primers
Human Runx3	F: 5'-TTTCACCCTGACCATCACTG-3' R: 5'-TCGGAGAATGGGTTTCAGTTC-3'
Human Keap1	F: 5'-GAGGCTTACAACCCCAGTGA-3' R: 5'-TCCACACTGTTGTGGTGGAT-3'
Human β -actin	F: 5'-TCCCTGGAGAAGAGCTACGA-3' R: 5'-AGCACTGTGTTGGCGTACAG-3'

Supplemental Figure Legends

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