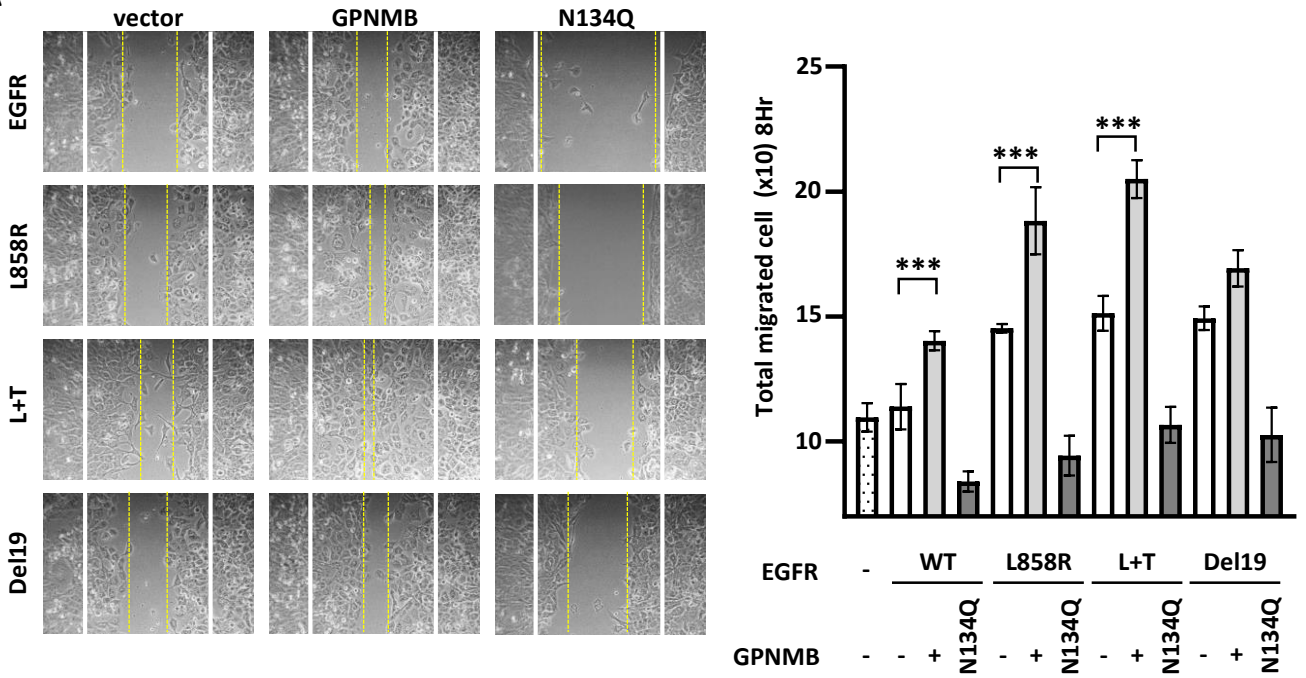
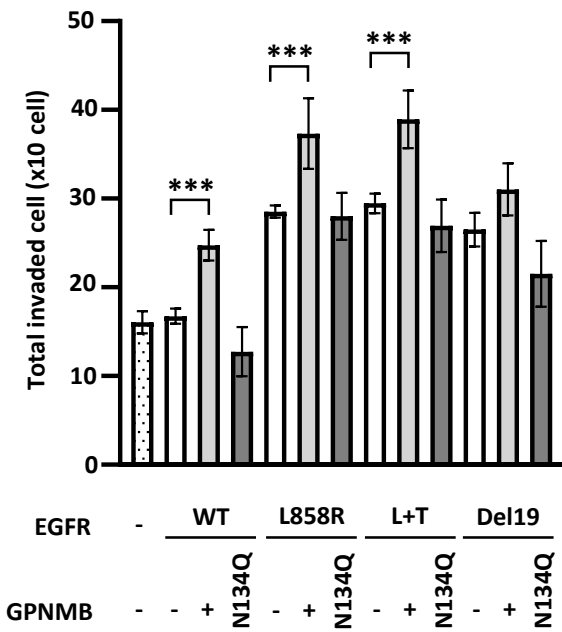


Figure S5

A



B



C

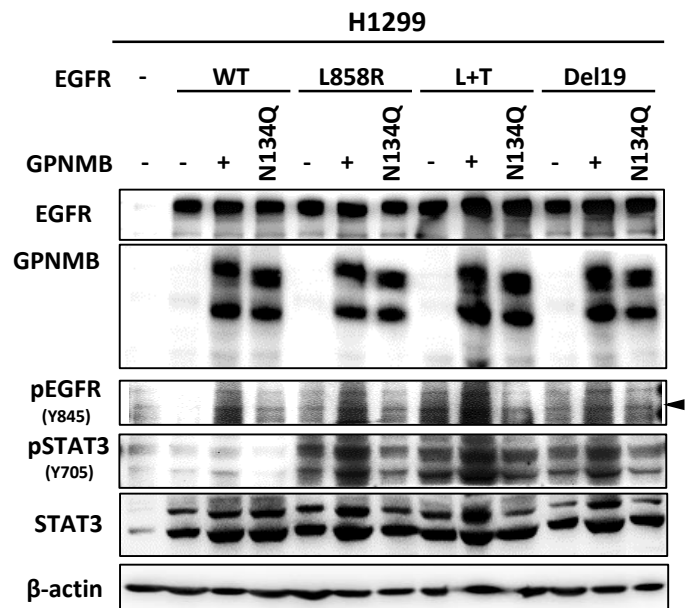


Fig. S5. Effects of GPNMB wild-type and N134Q mutant on mutated EGFR-induced cell migration and invasion and its downstream signaling. GPNMB wild-type/ N134Q mutant and various EGFR mutants were co-transfected into H1299 cells and examined cell migratory and invasive abilities by wound healing and modified boyden chamber invasion assays. (A) Pictures of wound healing assays were taken at 8 h after removing the chamber wells, and the migrated cell numbers in the wound were analysis. (B) The invasive cells of modified Boyden chamber invasion assay were stained with 10% Gemisa Stain solution and the invaded cell numbers were counted. (n=3 for each group, *** P< 0.001, nonparametric multiple comparison test) (C) The EGFR downstream signaling of the co-transfected cells were examined by immunoblotting; arrowhead indicates the band of EGFR Y845 phosphorylation.