

Fig. S1. PTEN G20E mutant has a lipid phosphatase activity. FLAP, PTEN WT, and G20E plasmids were co-transfected with ECFP Akt plasmid to U87 MG cells. The cell lysates were immunoblotted with antibodies against Flag, pAKT and AKT.

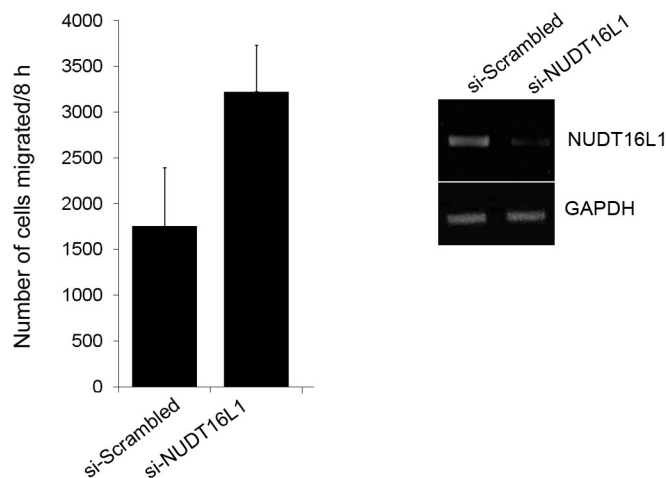


Fig. S2. NUDT16L1 is required to control cell migration in LN229 cells that endogenously express PTEN. A transwell migration assay was performed using LN229 cell lines. Number of cells migrated were assayed under specific siRNA to NUDT16L1 (si-NUDT16) in comparison to scrambled siRNA (si-Scrambled) as shown. Right panel shows RT-PCR for NUDT16L1 transcripts with NUDT16L1 (si-NUDT16L1) and non target scrambled siRNA (si-Scrambled).

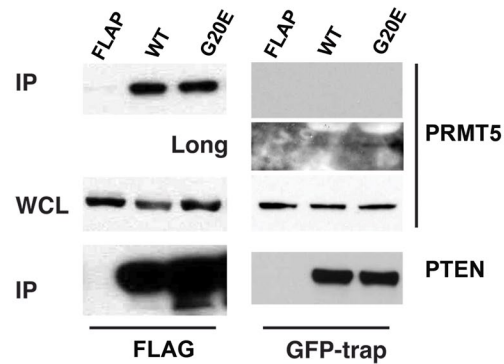


Fig. S3. Interaction between PTEN and PRMT5. Cell extracts from U87 FLAP, PTEN WT, and G20E cells were incubated with either Flag-beads or GFP-trap and precipitates were analyzed with anti-PRMT5 and Flag antibodies.