Supplementary figure 2

a) 

Relative expression of SMM30

b) 

Relative expression of COL4A1

Relative expression of ANK3

Relative expression of ANO4

Relative expression of TOP2A

Relative expression of ARRB1

Relative expression of COL4A1

Relative expression of EFEMP2

b) 

Relative expression of COL4A1

Relative expression of PDYN

Relative expression of TOP2A

Relative expression of ARRB1

Relative expression of ANK3

Relative expression of SNORA53

Relative expression of SMIM30

Relative expression of EFEMP2

C) 

Regulatory network

linc01094 - linc0354 - linc01004 - KMT25-AS1 - LPP-AS2 - linc01268 - THBS3

RGMA - SNCA - ARRB1 - FBXW7 - FAIM2 - PRNP

XRCC2 - TCAP2A - ASCL1

linc01235 - linc00481 - linc01158 - linc00689 - ATP6V0B2-AS1 - MIR69A-HG - linc01235

d) 

TCGA cohort

Relative LPP-AS2 expression

(e) 

GEO database

Relative LPP-AS2 expression

f) 

U251

Relative mRNA expression

SHG44

Relative mRNA expression

si-NC

si-C-MYC-1

si-C-MYC-2

si-C-MYC-1

si-C-MYC-2

si-C-MYC-1

si-C-MYC-2
Supplementary figure 3

(a) Number of invaded cells

(b) Ratio of cell migration (%)

(c) Number of invaded cells
Supplementary figure 5

(a) Relative EGFR expression

(b) Cell viability

(c) Invasion

(d) Migration

(e) Colony formation

(f) Ratio of apoptosis

Legend:
- si-NC
- pEGFP-C1
- pEGFP-C1+si-EGFR-1
- pEGFP-C1+si-EGFR-2
- pEGFP-C1/LPP-AS2+si-EGFR-1
- pEGFP-C1/LPP-AS2+si-EGFR-2
- pEGFP-C1+si-NC
- pEGFP-C1+si-EGFR-1
- pEGFP-C1+si-EGFR-2
- pEGFP-C1/LPP-AS2+si-EGFR-1
- pEGFP-C1/LPP-AS2+si-EGFR-2

U251
SHG44

Statistical significance:
- * p < 0.05
- ** p < 0.01
- *** p < 0.001
- **** p < 0.0001
Supplementary figure 7

(a) Cell viability of U251 and SHG44 cells treated with miR-NC mimics, miR-7-5p mimics, Anti-Ctrl, and miR-7-5p inhibitor over 24h, 48h, 72h, and 96h.

(b) Colony formation number of U251 and SHG44 cells treated with miR-NC mimics, miR-7-5p mimics, Anti-Ctrl, and miR-7-5p inhibitor.

(c) Number of invaded cells of U251 and SHG44 cells treated with miR-NC mimics, miR-7-5p mimics, Anti-Ctrl, and miR-7-5p inhibitor.

(d) Number of migrated cells of U251 and SHG44 cells treated with miR-NC mimics, miR-7-5p mimics, Anti-Ctrl, and miR-7-5p inhibitor.

(e) Ratio of apoptosis of U251 and SHG44 cells treated with miR-NC mimics, miR-7-5p mimics, Anti-Ctrl, and miR-7-5p inhibitor.