Fig S1

TCGA

b

Relative KDM5C mRNA

c

\( r^2 = 0.2233 \)
\( P < 0.001 \)

Fig S2

GSE9348

SOX4 mRNA expression value

GSE44076

SOX4 mRNA expression value

GSE41657

SOX4 mRNA expression value
Fig S3

a

![Bar charts showing relative YTHDF1 mRNA levels in HCT116 and HCT8 cells with different treatments.]

b

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YTHDF1  | SOX4  | GAPDH

YTHDF2

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SOX4  | GAPDH

YTHDF3

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SOX4  | GAPDH

C

![Box plots showing relative YTHDF2 mRNA expression in normal and CRC tissues.]

- Normal tissues
- CRC tissues

Relative YTHDF2 mRNA expression

- 0.0
- 0.5
- 1.0
- 1.5
- 2.0
- 2.5
Fig S5

a) Western blot analysis showing Akt, p-Akt, and GAPDH under DMSO (10μM) and LY294002 (10μM).

b) Migration assay comparing DMSO and LY294002 in HCT116 and HCT8 cell lines. The relative cell migration is shown with significant differences marked with **.

c) Invasion assay comparing DMSO and LY294002 in HCT116 and HCT8 cell lines. The relative cell invasion is shown with significant differences marked with **.