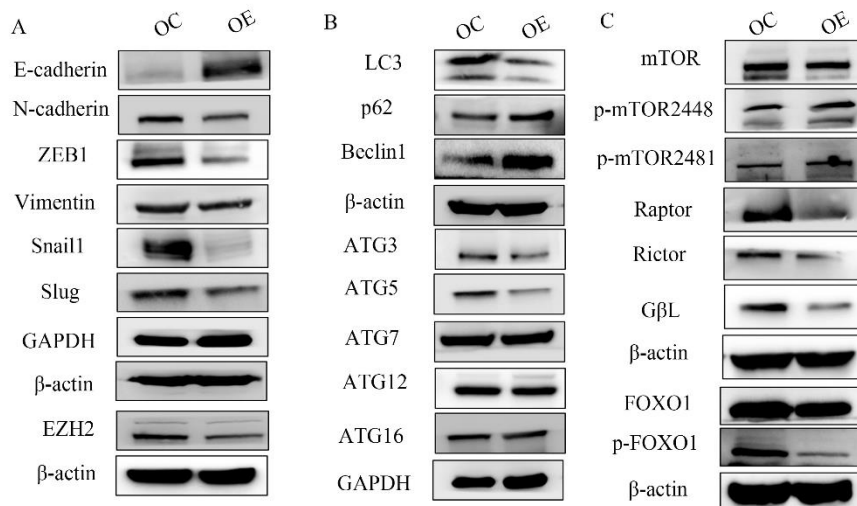


**Figure S1 MEG3 inhibited SH-SY5Y cell proliferation, migration and invasion.**

A. The qRT-PCR for MEG3 expression in different NB cell lines. B. RNA fluorescence in situ hybridization for SH-SY5Y cells. C. The qRT-PCR for MEG3 overexpression in SH-SY5Y cells. D, E. EDU assays for MEG3 overexpression and control groups in SH-SY5Y cells. F. CCK-8 assays for MEG3 overexpression and control groups in SH-SY5Y cells. G. Transwell assays for MEG3 overexpression and control groups in SH-SY5Y cells. \*\*P < 0.01; \*\*\*P < 0.005.



**Figure S2 MEG3 inhibited the EMT, autophagy, and the mTOR signaling pathway in SH-SY5Y cells.** A. Western blots for EMT markers in the MEG3 overexpression and control groups. B. Western blots for autophagy markers in the MEG3 overexpression and control groups. C. Western blots for mTOR signaling pathway proteins in the MEG3 overexpression and control groups.

**TableS1 Antibody information**

<b>Antibody</b>	<b>Vendor</b>	<b>Catalog number</b>
E-cadherin	CST	3195T
N-cadherin	Proteintech	22018-1-AP
ZEB1	Proteintech	21544-1-AP
Vimentin	Santa Cruz	Sc-6206
Snail1	CST	3879S
Slug	Santa Cruz	Sc-166476
GAPDH	Proteintech	60004-1-Ig
$\beta$ -Actin	Proteintech	60008-1-Ig
LC3	CST	12741S
P62	Santa Cruz	Sc-28359
Beclin1	CST	3495S
ATG3	CST	3415S
ATG5	CST	12994S
ATG7	CST	8558S
ATG12	CST	4180S
ATG16	CST	8089S
mTOR	CST	2983S
p-mTOR2448	CST	5536S
p-mTOR2481	CST	2974S
Raptor	CST	2280S
Rictor	CST	2114S
G $\beta$ L	CST	3274S
FOXO1	CST	2880S
EZH2	CST	5246S
Ub	Santa Cruz	Sc-166553