Figure S1

A. U87MG-72h

Cell viability (%) vs. Quercetin (μM)

IC50: 45.86 μM

B. U87MG-5d

Cell viability (%) vs. Quercetin (μM)

IC50: 38.79 μM

C. CHG-5-72h

Cell viability (%) vs. Quercetin (μM)

IC50: 59.26 μM

D. CHG-5d

Cell viability (%) vs. Quercetin (μM)

IC50: 39.2 μM
Figure S2

U87MG

- pGL3-Basic-GSK3β-luc
  - DMSO
  - Quer (40 μM)

- pGL3-Basic-luc
  - DMSO
  - Quer (40 μM)

Relative Luciferase activity
### Figure S3

| Quercetin (μM) | U87MG | CHG-5 |
|----------------|-------|-------|
| 0              | ![p-Akt](image) | ![p-Akt](image) |
| 20             | ![p-Akt](image) | ![p-Akt](image) |
| 40             | ![p-Akt](image) | ![p-Akt](image) |
| 80             | ![p-Akt](image) | ![p-Akt](image) |

| Quercetin (μM) | U87MG | CHG-5 |
|----------------|-------|-------|
| 0              | ![Akt](image) | ![Akt](image) |
| 20             | ![Akt](image) | ![Akt](image) |
| 40             | ![Akt](image) | ![Akt](image) |
| 80             | ![Akt](image) | ![Akt](image) |

| Quercetin (μM) | U87MG | CHG-5 |
|----------------|-------|-------|
| 0              | ![β-actin](image) | ![β-actin](image) |
| 20             | ![β-actin](image) | ![β-actin](image) |
| 40             | ![β-actin](image) | ![β-actin](image) |
| 80             | ![β-actin](image) | ![β-actin](image) |

- **p-Akt**: 60kDa
- **Akt**: 60kDa
- **β-actin**: 42kDa
Figure S4

A

| Si GSK3β | Quercetin(40μM) |
|----------|-----------------|
| -        | -               |
| +        | +               |

U87       CHG-5

B

| Protein          | U87MG       | CHG-5       |
|------------------|-------------|-------------|
| β-catenin        |             |             |
| P-GSK3β (Ser 9)  |             |             |
| GSK3β            |             |             |
| ZEB1             |             |             |
| β-actin          |             |             |

| Si GSK3β | Quercetin(40μM) |
|----------|-----------------|
| -        | -               |
| +        | +               |