

Key messages

- Overexpression of PTEN via NDV attenuates the proliferation and migration in U87-MG cells.
- rNDV-PTEN is a higher infection rate in the brain than rNDV, significantly elevated PTEN expression and suppressed intracranial tumor growth in an orthotopic GBM model.
- PTEN overexpression induces apoptosis in GBM cell proliferation and migration by disrupting mTOR signaling and autophagy.