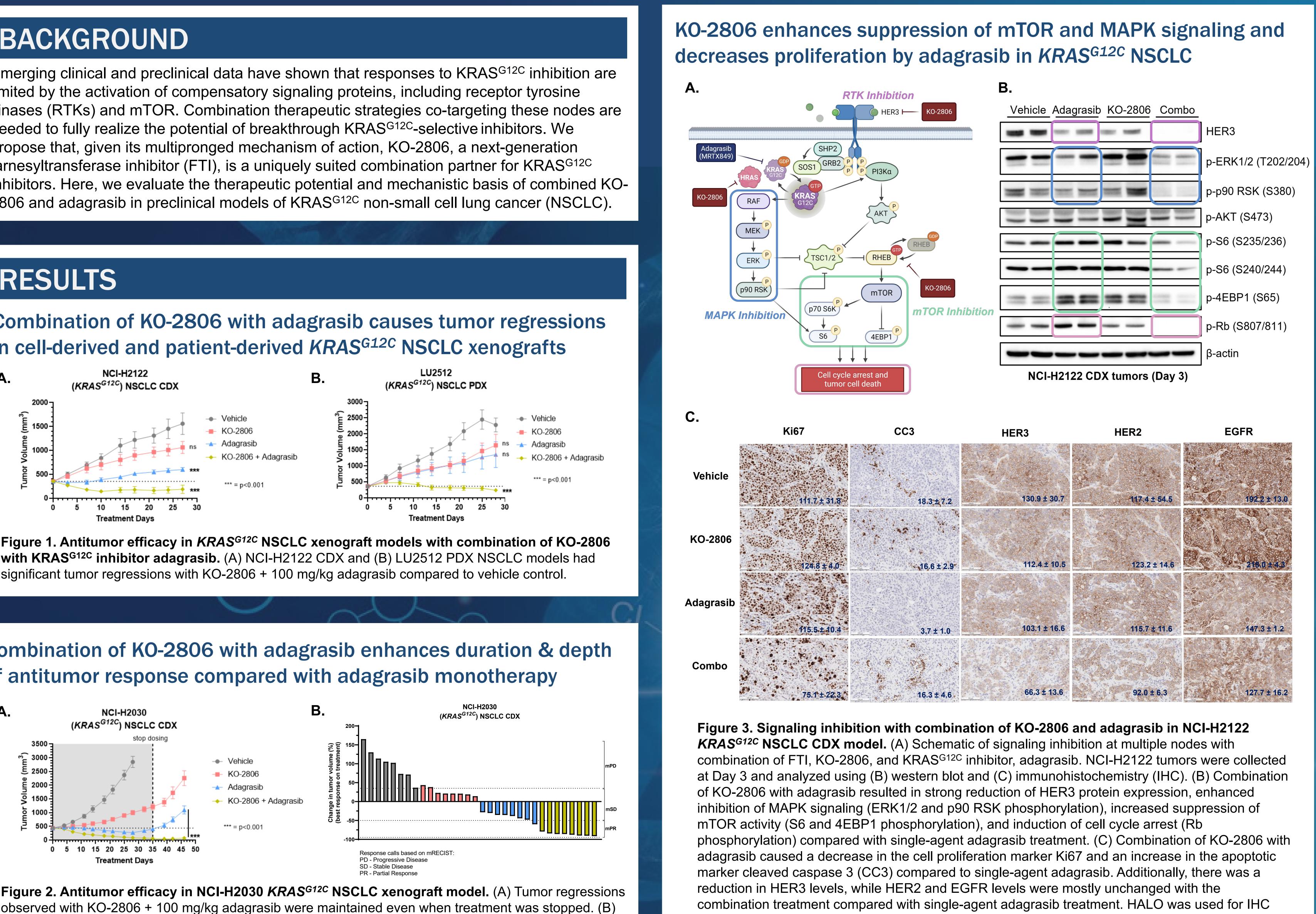
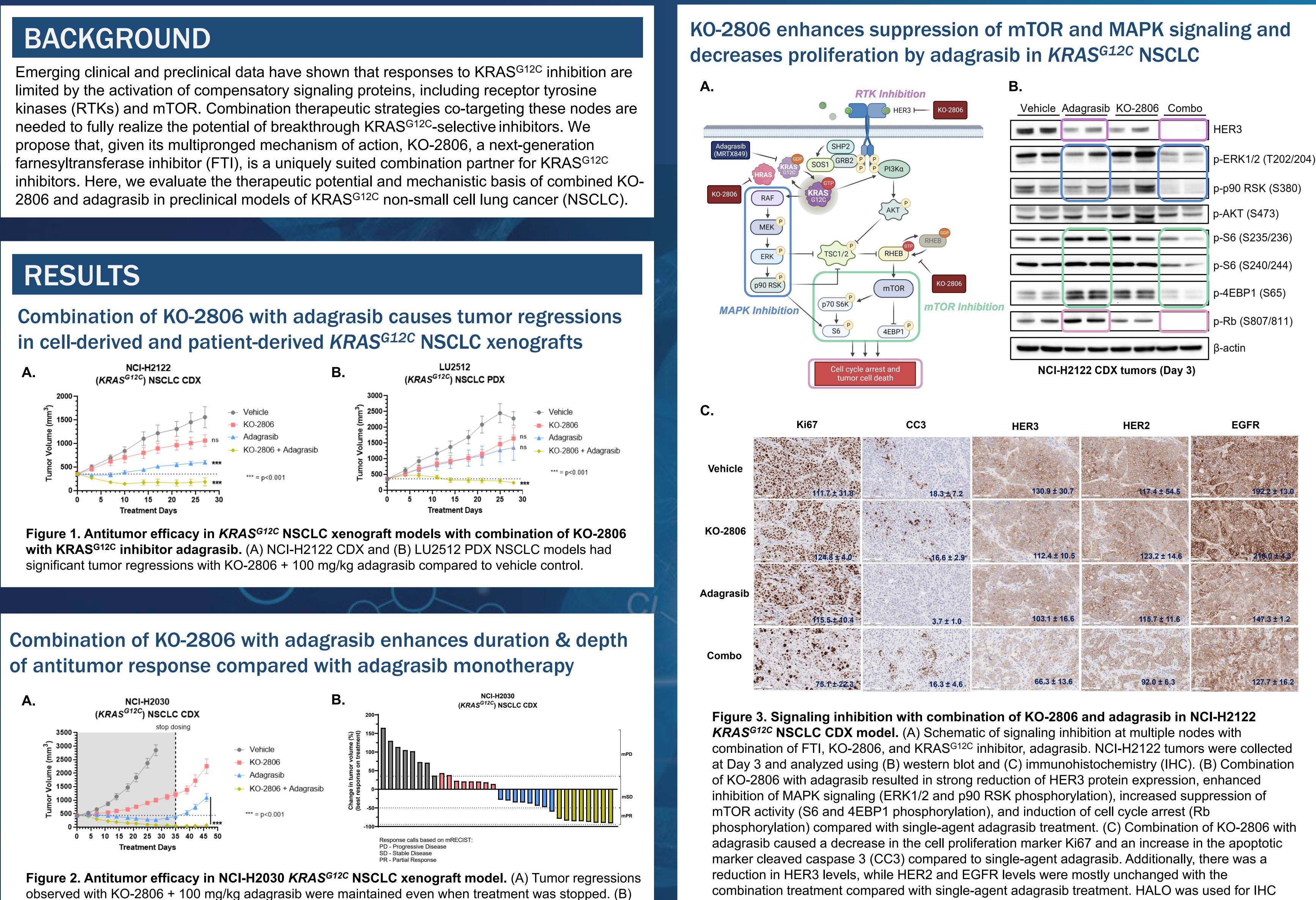
## Abstract # 34968

# The next generation farnesyltransferase inhibitor, KO-2806, blocks oncogenic signaling at multiple nodes to enhance the antitumor efficacy of KRAS<sup>G12C</sup> inhibitor adagrasib in KRAS<sup>G12C</sup> non-small cell lung carcinoma

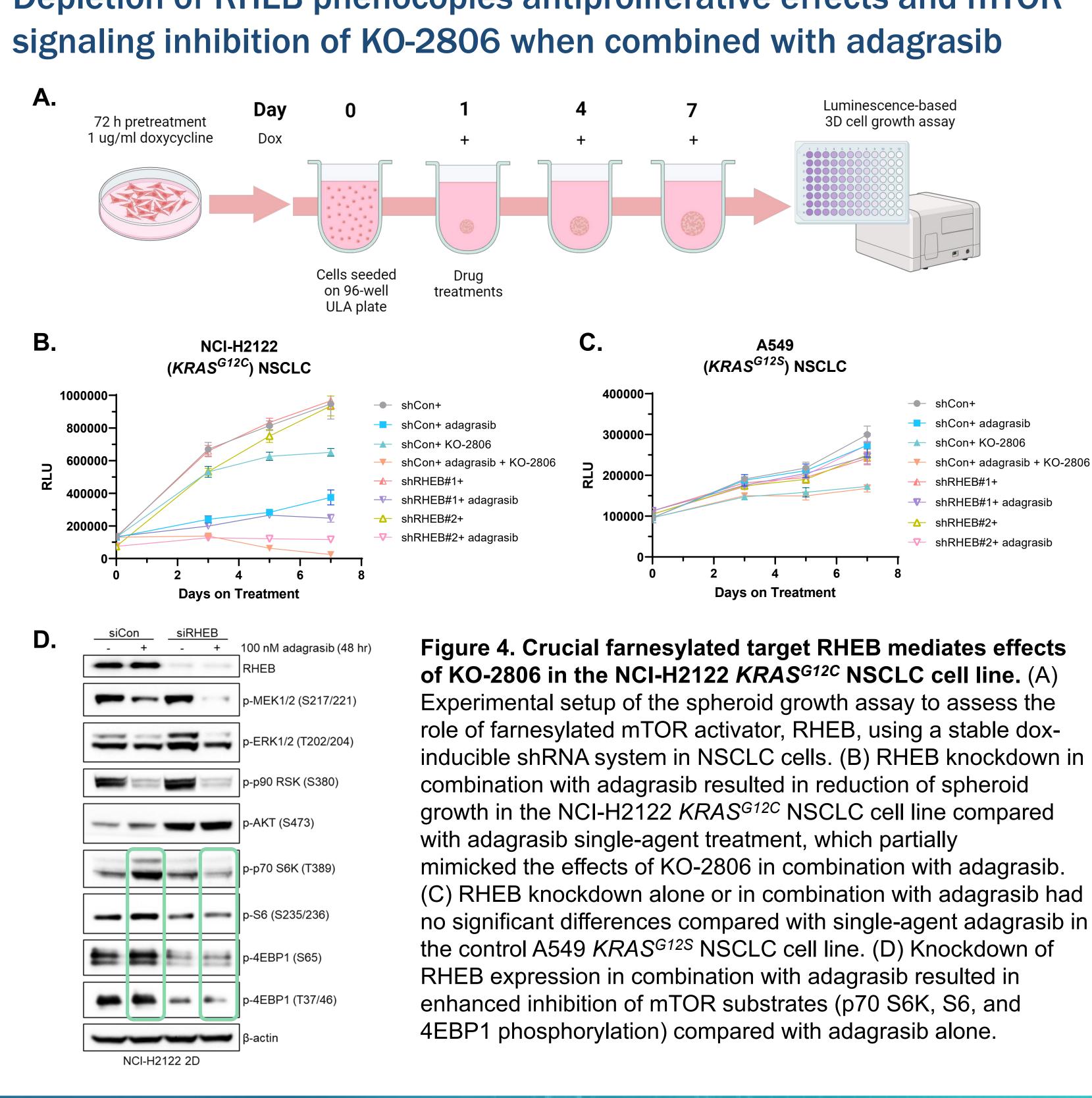




observed with KO-2806 + 100 mg/kg adagrasib were maintained even when treatment was stopped. (B) Combination of KO-2806 with adagrasib had deeper tumor regressions than single-agent adagrasib.

Hetika Vora Patel, Alison Smith, Stacia Chan, Linda Kessler, Francis Burrows, and Shivani Malik Kura Oncology, Inc., San Diego, CA

image analysis and to quantify H-scores with n=3.



### CONCLUSIONS



# **Depletion of RHEB phenocopies antiproliferative effects and mTOR**

Combination of the next generation FTI, KO-2806, with the KRAS<sup>G12C</sup> inhibitor, adagrasib, caused significant tumor regressions in *KRAS<sup>G12C</sup>* NSCLC xenograft models.

**Combination of KO-2806 with adagrasib enhances the depth and duration of response** compared with single-agent adagrasib treatment.

KO-2806 deepens signaling inhibition by adagrasib through inhibiting MAPK and mTOR signaling, reducing HER3, and blocking proliferation in KRAS<sup>G12C</sup> NSCLC tumors.

Knockdown of RHEB partially mimics the effects of KO-2806 in combination with adagrasib by decreasing spheroid growth and inhibiting mTOR signaling in KRAS<sup>G12C</sup> NSCLC cells.