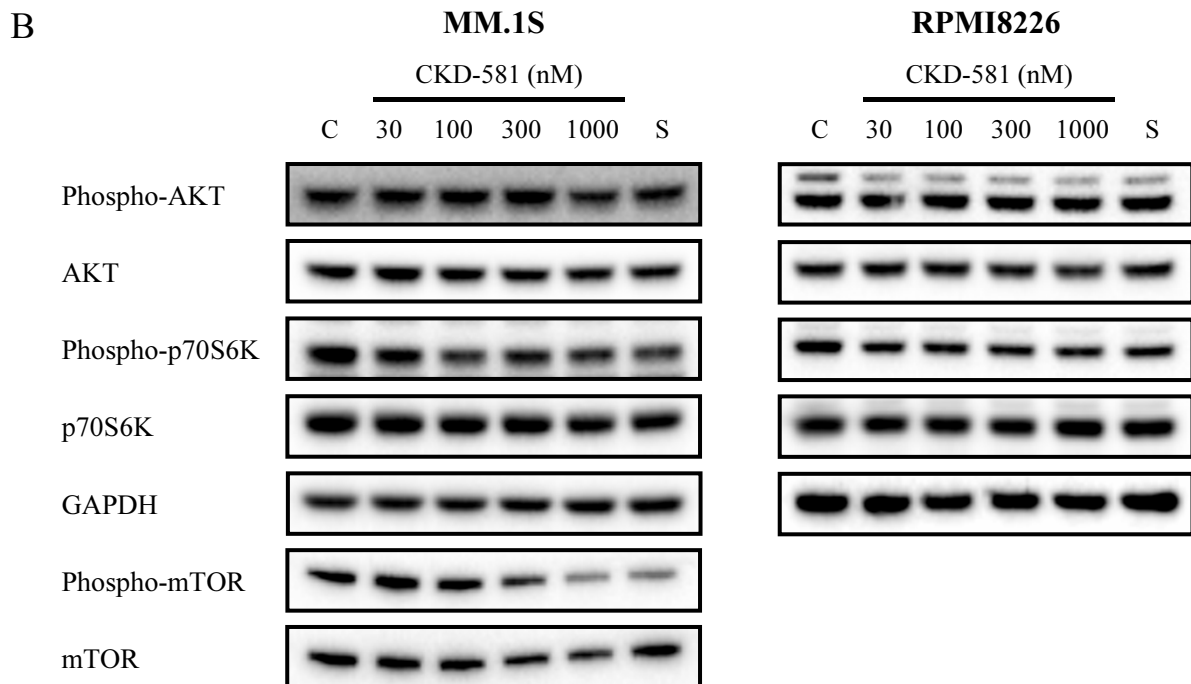


A

Cell type	Regulation	Genes (> 4-folded change)
HH	Up	C14orf145, C16orf93, DACT3, MXD1, NEU1, RAB40B, SUPT4H1, TPMT, WDR19
	Down	CABLES1, CHRNA6, CMTM8, FANK1, GPR114, IKZF1, IL27RA, KLF2, PLD5, PRKCDBP, PSCD4, PTPN3, RINL, TNFRSF8, TRAF3IP3, UBE2Q2, VSTM2L, ZAK, ZMIZ1
MJ	Up	DACT3
	Down	-



(A) Summarized results of cDNA microarray results in HH and MJ cells treated with CKD-581.
 (B) Effects of CKD-581 on Akt/mTOR pathway. Immunoblottings for Akt/mTOR pathway were performed in MM.1S and RPMI8226 cells treated with vehicle or CKD-581.