Akt1

VENDOR: Santa Cruz Biotechnology

Cat #: sc-1618

SIMPLE WESTERN CERTIFIED ANTIBODY DATASHEET

View Antibody Link

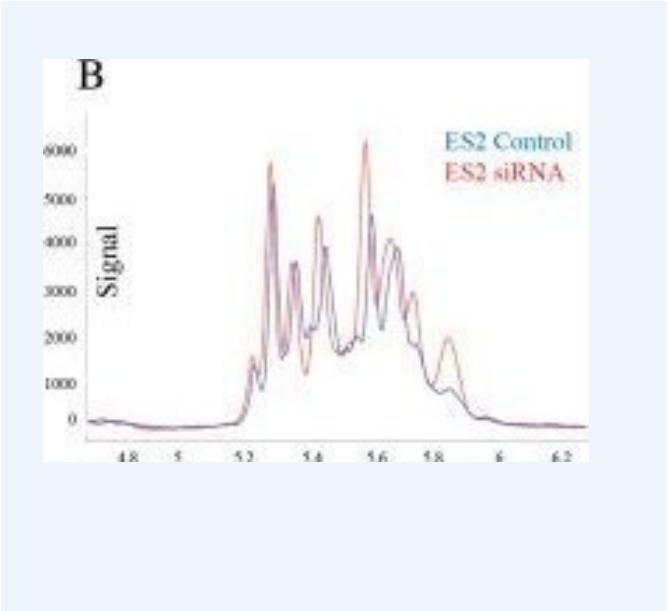

Figure 1: A) Western blot results from siRNA knockdown of BAF250a on cell lines ES2, JHOC5, and RMG1 to clarify the interaction between BAF250a expression and pAKT. Despite good knockdown of BAF250a no change in AKT phosphorylation or levels of p70S6K, a downstream signaling protein of pAKT can be seen in the ES2 and RMG1 cell lines. The baseline levels of pAKT are much higher in the JHOC5 cell line, and there is a suggestion of an increase in pAKT-Thr308 with BAF250a knockdown without obvious similar changes in pAKT-Ser473. PDK1 and PTEN levels did not change with BAF250a knockdown in any of the cell lines. B-D) Native protein AKT profiles using capillary tube isoelectric point focusing. Native AKT profiles are consistent with the western blot result in A, as little change occurs in AKT/pAKT following siRNA mediated BAF250a knockdown.

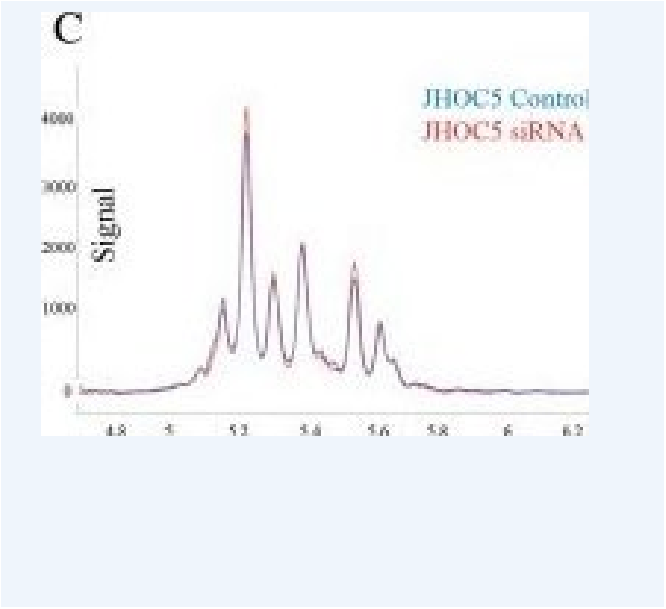

Figure 2: A) Western blot results from siRNA knockdown of BAF250a on cell lines ES2, JHOC5, and RMG1 to clarify the interaction between BAF250a expression and pAKT. Despite good knockdown of BAF250a no change in AKT phosphorylation or levels of p70S6K, a downstream signaling protein of pAKT can be seen in the ES2 and RMG1 cell lines. The baseline levels of pAKT are much higher in the JHOC5 cell line, and there is a suggestion of an increase in pAKT-Thr308 with BAF250a knockdown without obvious similar changes in pAKT-Ser473. PDK1 and PTEN levels did not change with BAF250a knockdown in any of the cell lines. B-D) Native protein AKT profiles using capillary tube isoelectric point focusing. Native AKT profiles are consistent with the western blot result in A, as little change occurs in AKT/pAKT following siRNA mediated BAF250a knockdown.

PROTEIN TARGET/ANTIBODY	
Protein Target	Akt1
Protein Isoform	Unmodified
Antibody Type	Primary
Host Species/Clonality	Goat Polyclonal
ASSAY	
Sample Type	ES2,JHOC-5,RMG-I
Sample Concentration	Not_Stated
Antibody Concentration/Dilution	Not_Stated
Antibody Diluent	
Detection Mode	Chemiluminescence
Separation Type	Charge
Matrix	pH 5-8
Observed kDa	Not_Stated

PUBLICATIONS

1. Wiegand, K. C., Hennessy, B. T., et al. A functional proteogenomic analysis of endometrioid and clear cell carcinomas using reverse phase protein array and mutation analysis: protein expression is histotype-specific and loss of ARID1A/BAF250a is associated with AKT phosphorylation. BMC Cancer. 2014 Feb 22;14(NULL):120. 10.1186/1471-2407-14-120. PMID:24559118.

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