

AlphaLISA® SureFire® Ultra™

## Human p-Akt 1 (Ser473) Detection Kit

**Product number:** ALSU-PAKT1-C500, ALSU-PAKT1-C10K,  
 ALSU-PAKT1-C50K, ALSU-PAKT1-C-HV



### Kit specificity:

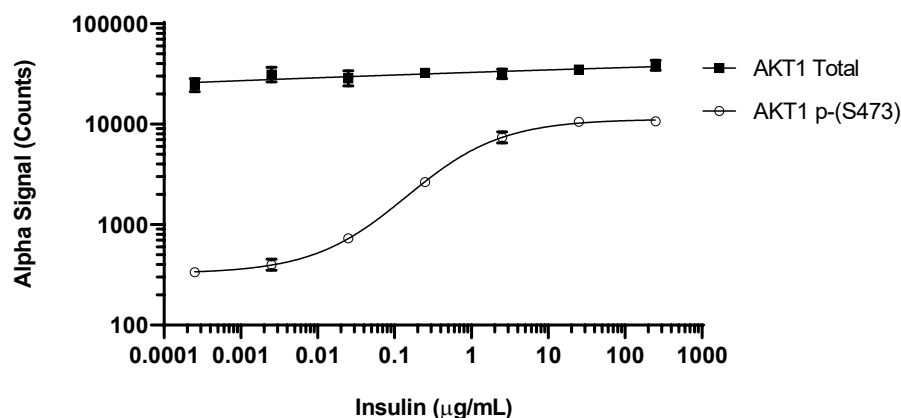
This assay kit contains antibodies which recognize the phospho-Ser473 epitope and a distal epitope on AKT 1. The protein detected by this kit corresponds to UniProt ID P31749. AKT 1 is also known as Rac-alpha serine/threonine-protein kinase or PKB. These antibodies recognize AKT 1 of human origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

Positive Control Lysate: Prepared from HEK293 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 20% FBS for 15 minutes and lysed with 4 mL of Lysis Buffer.

### Representative data

Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were serum starved for 2 hours, then treated with Insulin at the indicated concentrations for 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser473) and Total AKT 1 using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



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