Kit Specificity
This assay kit contains antibodies which recognize invariant epitopes on p300. The protein detected by this kit corresponds to UniProt ID Q09472. p300 is also known as EP300 and Histone acetyltransferase p300. These antibodies recognize p300 of human origin. Other species should be tested on a case-by-case basis.

Control Lysate Information
Positive Control Lysate: Prepared from K562 cells, washed in HBSS, spun down and lysed with SureFire Ultra Lysis Buffer @ 5 x 10⁶ cells/mL.

Representative Data
Data obtained with a 2-plate, 2-incubation protocol. Hela cells were plated at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with d-CBP prepared in SF-MEM at the indicated concentrations for 2 hours. Cells were lysed with SureFire Ultra Lysis Buffer and assayed separately for Total CREBBP and Total Cofilin using respective SureFire Ultra kits. Equivalent to approximately 4,000 cells/datapoint (Total p300) or 800 cells/datapoint (Total Cofilin).
Data obtained with a 2-plate, 2-incubation protocol. A cell density gradient of K562-WT or K562-p300 KO cells beginning at $10 \times 10^6$ cells/mL in HBSS, was prepared in a 96 well plate. Cells were lysed with 5x SureFire Ultra Lysis Buffer and assayed for Total p300 using the SureFire Ultra kit. Top point is equivalent to 80,000 cells/databoxpoint.