Kit-Specificity Information
This assay kit contains antibodies which recognize invariant epitopes on retinoblastoma tumor suppressor protein (Rb). The human protein detected by this kit corresponds to Entrez Gene ID 5925. These antibodies recognize Rb of human origin. Other species should be tested on a case-by-case basis. Rb is also known as RB transcriptional corepressor 1.

Control Lysate Information
Positive Control Lysate: Prepared from Jurkat cells cultured in a T175 flask to $10^6$ cells/mL in medium containing 10%FBS, treated with 2.5mM Pervanadate for 30 minutes, and lysed at $3.2 \times 10^6$ cells/mL with 1X SureFire Ultra Lysis buffer.

Representative data
Data obtained with a 2-plate, 2-incubation protocol. Caco2 cells were seeded in a 96 well plate at $0.2 \times 10^6$ cells/mL, grown overnight, and treated a further 24 hours with Palbociclib at the indicated concentrations. Medium was removed and cells lysed with 100 µL of 1X Lysis buffer. Samples were assayed separately for Total and Phospho (Thr821/826) Rb, using respective SureFire Ultra assay kits.

Palbociclib DR in Caco2 cells
Phospho Rb (Thr 821/826) and Total Rb