

AlphaLISA® SureFire® Ultra™

Human p-Histone H1 (Thr17) Detection Kit

Product number: ALSU-PHISH1-A500, ALSU-PHISH1-A10K,
 ALSU-PHISH1-A50K, ALSU-PHISH1-A-HV



Kit specificity:

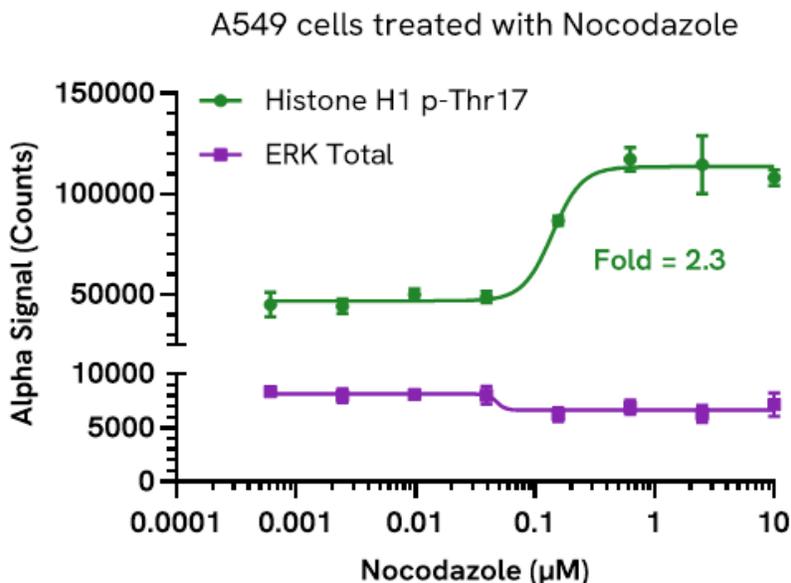
This assay kit contains antibodies which recognize the phospho-Thr17 epitope and a distal epitope on Histone H1.3. The protein detected by this kit corresponds to UniProt ID P16402. These antibodies recognize Histone H1.3 and may cross-react with Histone H1.4 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

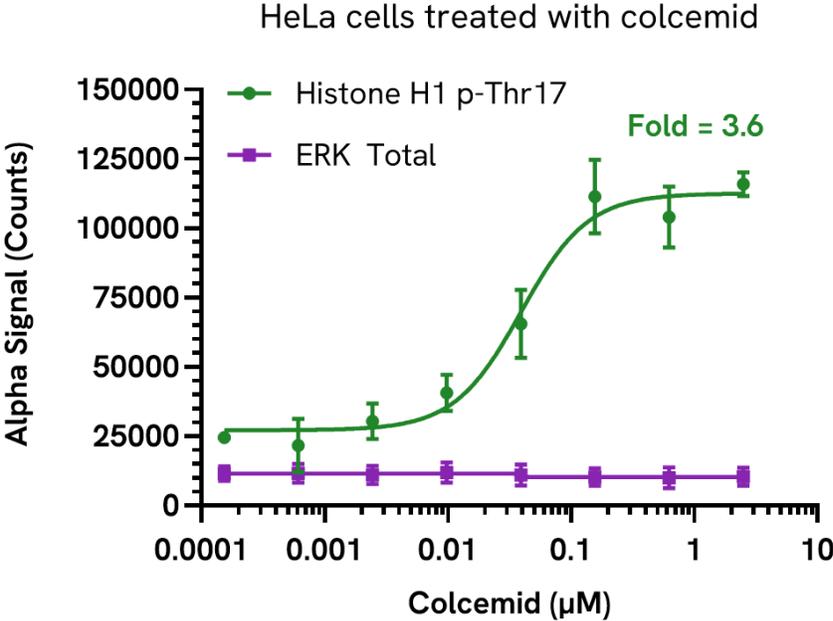
Positive Control Lysate: Prepared from HEK293 cells, cultured to confluence in T175 flasks in 10% FBS containing medium and lysed with 40 mL of Lysis Buffer B.

Representative data:

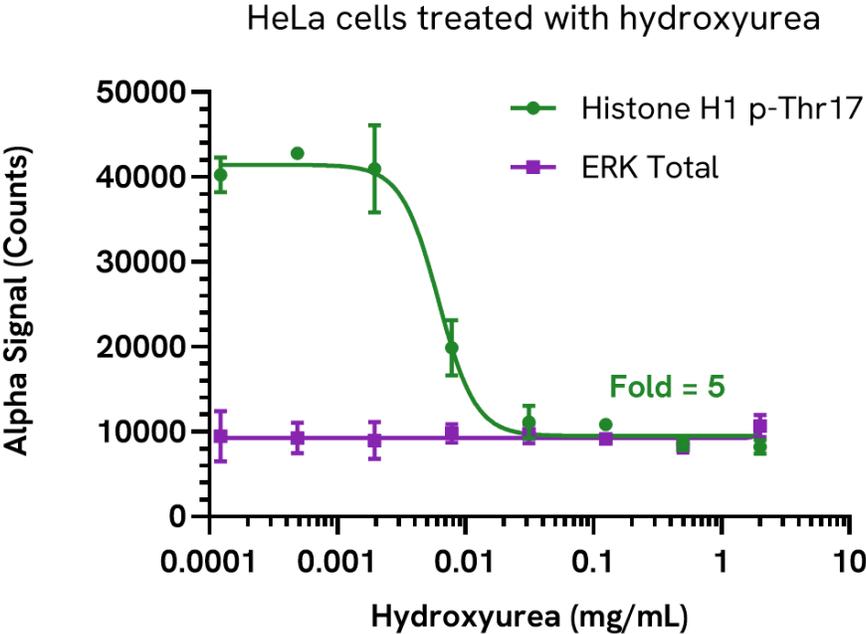
Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of Nocodazole. Cells were lysed with Lysis Buffer B and assayed separately for Phospho (Thr17) Histone H1 and Total ERK levels using respective SureFire Ultra kits. Equivalent to approximately 2,000 cells/datapoint.



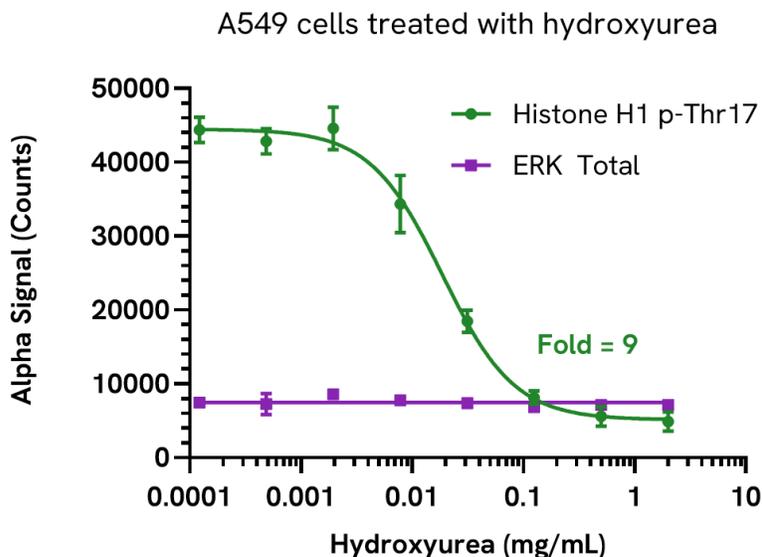
Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of colcemid. Cells were lysed with Lysis Buffer B and assayed separately for Phospho (Thr17) Histone H1 and Total ERK levels using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



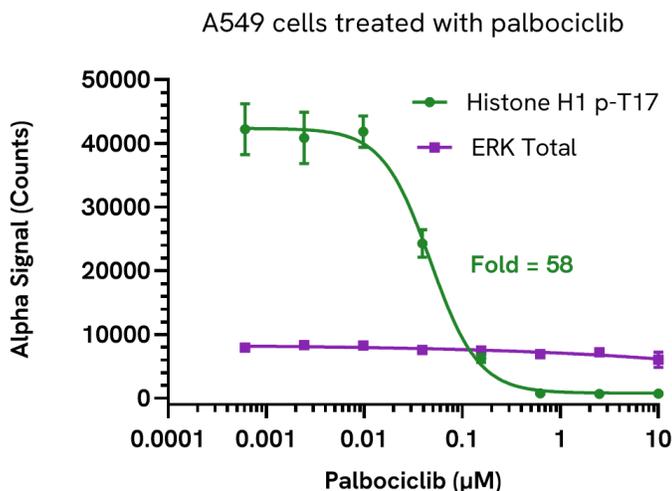
Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of hydroxyurea. Cells were lysed with Lysis Buffer B and assayed separately for Phospho (Thr17) Histone H1 and Total ERK levels using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of hydroxyurea. Cells were lysed with Lysis Buffer B and assayed separately for Phospho (Thr17) Histone H1 and Total ERK levels using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of palbociclib. Cells were lysed with Lysis Buffer B and assayed separately for Phospho (Thr17) Histone H1 and Total ERK levels using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



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