

AlphaLISA® SureFire® Ultra™

Human and Mouse BRD2 Total Detection Kit

Product number: ALSU-TBRD2-A500, ALSU-TBRD2-A10K,
ALSU-TBRD2-A50K, ALSU-TBRD2-A-HV



Kit specificity:

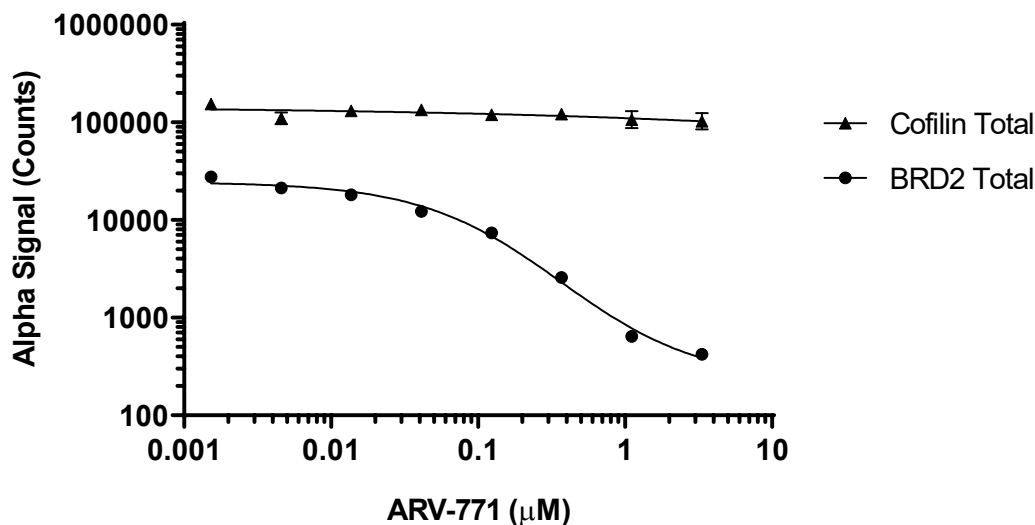
This assay kit contains antibodies which recognize the phospho Ser37 epitope and a distal epitope on BRD2. The protein detected by this kit corresponds to UniProt ID P25440. BRD2 is also known as BRD2-IT1, FSRG1 and RING3. These antibodies recognize BRD2 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

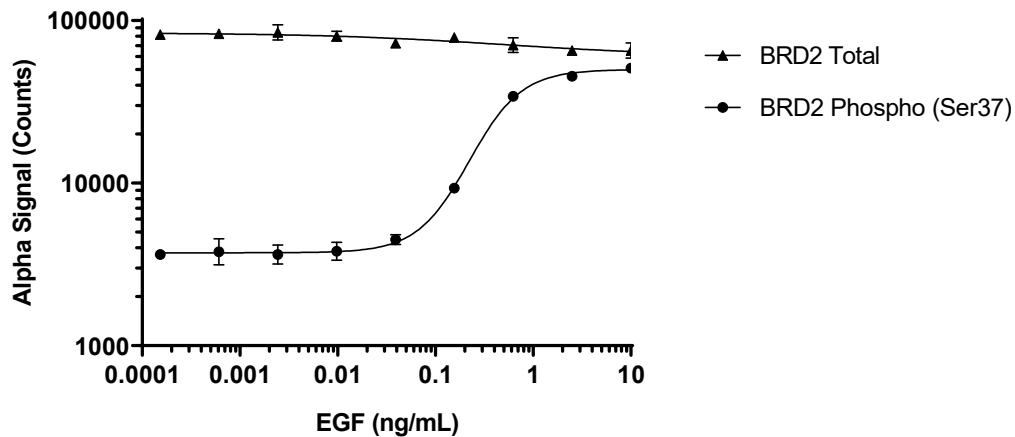
Positive Control Lysate: Prepared from HEK293 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 200 ng/mL rhEGF for 10 minutes then lysed with 4 mL Lysis Buffer.

Representative data

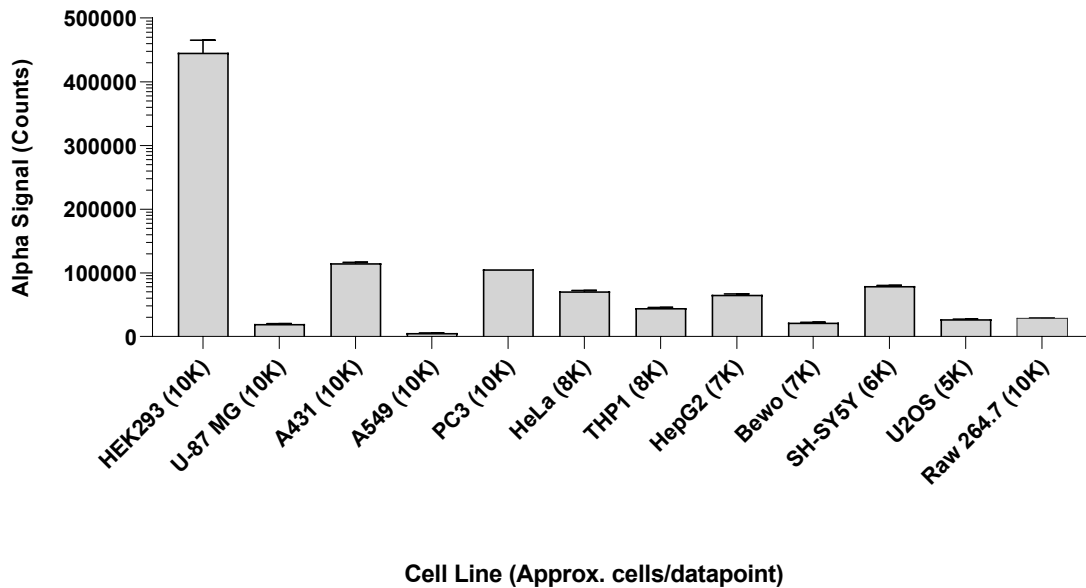
Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were plated at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with ARV-771 (BET PROTAC Degradator) for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for BRD2 Total and Cofilin Total using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint for BRD2 Total and 400 cells/datapoint for Cofilin Total.



Data obtained with a 2-plate, 2-incubation protocol. A431 cells were plated at 40K cells/well in a 96 well plate and incubated overnight. Cells were serum starved for 2 hours and then treated with EGF at the indicated concentrations for 10 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser37) and Total BRD2 using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained from measurement of BRD2 Total in various cell types lysed with Lysis Buffer. Approximate number of cells/datapoint is indicated for the various cell lines.



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