

AlphaLISA® SureFire® Ultra™

## Human p-PKR (Thr451) Detection Kit

Product number: ALSU-PPKR-B500, ALSU-PPKR-B10K,  
 ALSU-PPKR-B50K, ALSU-PPKR-B-HV



### Kit specificity:

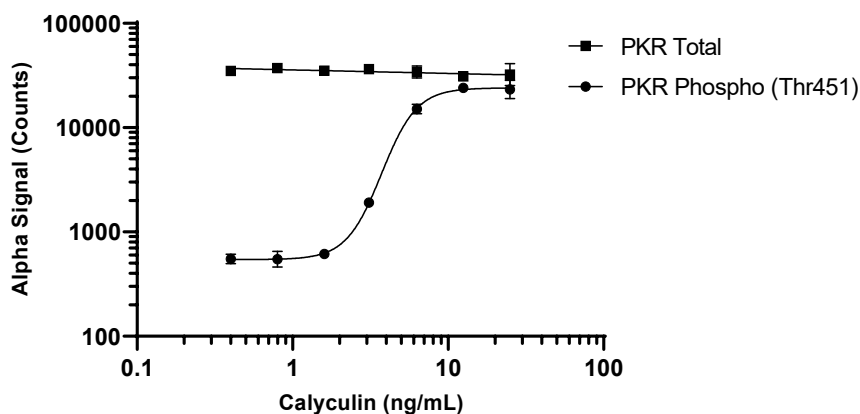
This assay kit contains antibodies which recognize the phospho Thr-451 epitope and a distal epitope on PKR. The protein detected by this kit corresponds to UniProt ID P19525. PKR is also known as Interferon induced, double stranded-RNA activated protein kinase and eIF-2A protein kinase 2. These antibodies recognize PKR of human origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

Positive Control Lysate: Prepared from AN3 CA cells, cultured to confluence in T175 flasks in 10% FBS containing media, then treated with 20 ng/mL Calyculin A for 4 hours and lysed with 5 mL of Lysis Buffer.

### Representative data

Data obtained with a 2-plate, 2-incubation protocol. AN3 CA cells were plated at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with Calyculin A at the indicated concentrations for 3 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr451) and Total PKR, using respective *SureFire Ultra* assay kits. Equivalent to approximately 4,000 cells/datapoint.



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