

AlphaLISA® SureFire® Ultra™

Human and Mouse RSK1 Total Detection Kit

Product number: ALSU-TRSK1-A500, ALSU-TRSK1-A10K,
ALSU-TRSK1-A50K, ALSU-TRSK1-A-HV



Kit specificity:

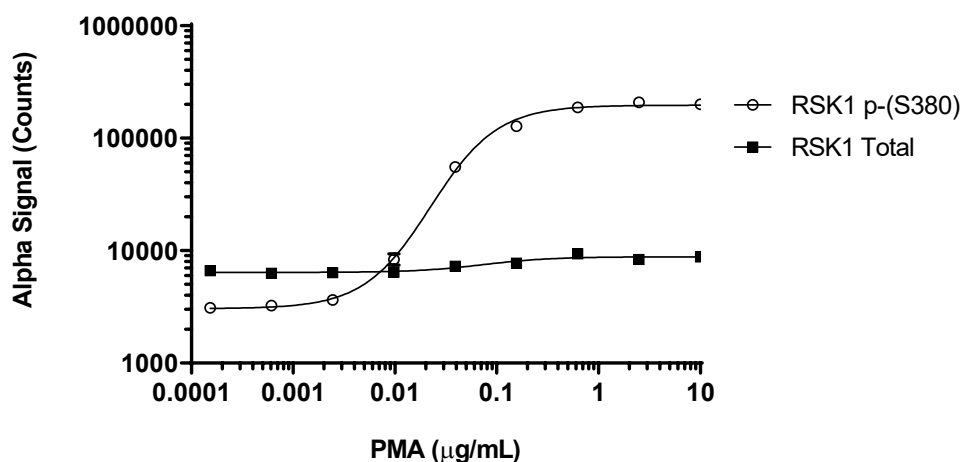
This assay kit contains antibodies which recognize distinct epitopes on RSK1. The protein detected by this kit corresponds to UniProt ID Q15418. RSK1 is also known as Ribosomal protein S6 kinase alpha-1 and MAP kinase-activated protein kinase 1a. These antibodies recognize RSK1 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

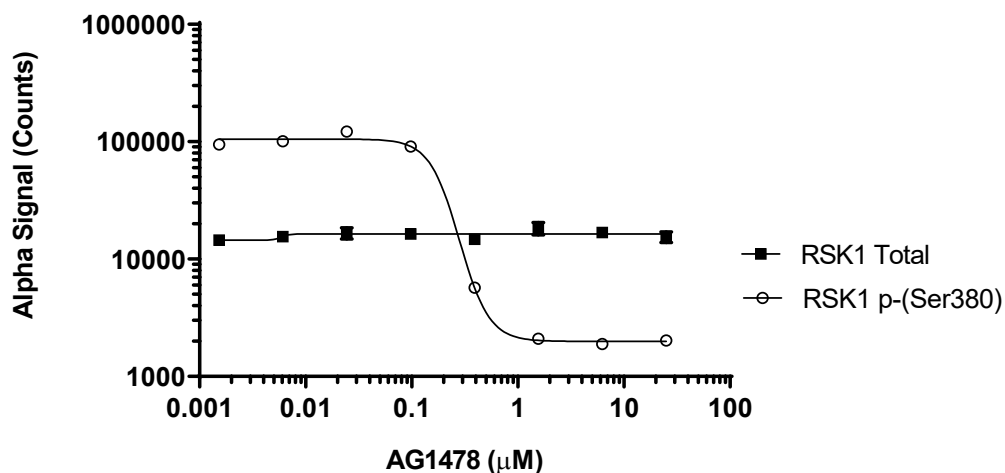
Positive Control Lysate: Prepared from A431 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 200 ng/mL rhEGF for 10 minutes, lysed with 8 mL of Lysis Buffer.

Representative data

Data obtained from a 2-plate, 2-incubation protocol. A431 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were serum deprived for 2 hours, then treated with PMA at the indicated concentrations for 10 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser380) and Total RSK1 using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. A431 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were pre-treated with AG1478 at the indicated concentrations for 2 hours, then treated with 20 ng/mL EGF for 10 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser380) and Total RSK1 using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



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