

Alpha SureFire® Ultra™ Multiplex

Human p-AMPK α 1/2 (Thr172) + Total AMPK α 1/2 Detection Kit

Product number: MPSU-PTAMPK-K500, MPSU-PTAMPK-K10K,
MPSU-PTAMPK-K50K, MPSU-PTAMPK-KHV



Kit specificity:

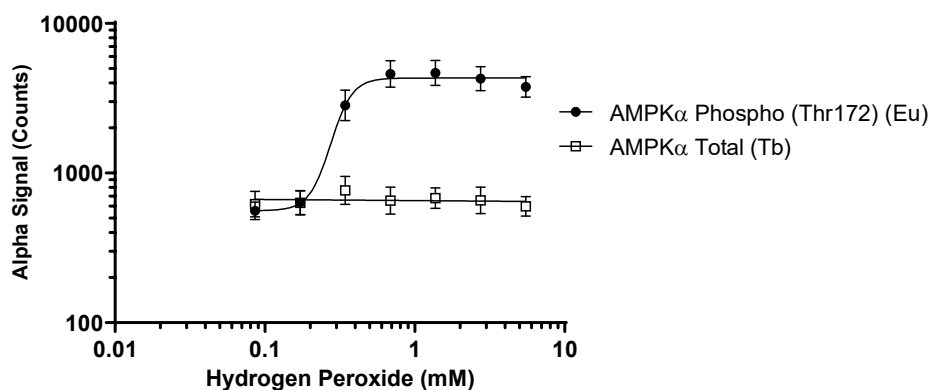
This assay kit contains antibodies which recognize the phospho-Thr172 epitope and a distal epitope on AMPK α , plus antibodies to detect Total AMPK α . The proteins detected by this kit corresponds to UniProt IDs Q13131 (AMPK α 1) and P54646 (AMPK α 2). These antibodies recognize AMPK α of human origin. 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, treated with 11 mM H₂O₂ for 10 minutes and lysed with 5 mL of Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. HEK293 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with H₂O₂ at the indicated concentrations for 10 minutes. Cells were lysed with Lysis Buffer and samples were assayed for Phospho (Thr172) and Total AMPK α 1/2 in the same wells of an assay plate using the SureFire Ultra Multiplex kit. Data equivalent to approximately 8,000 cells/datapoint.



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