AlphaLISA™ *SureFire*® Biotin Free

Human KAT6A Total Detection Kit

Product number: ASBF-TKAT6A-A500, ASBF-TKAT6A-A10K, ASBF-TKAT6A-A50K, ASBF-TKAT6A-A-HV

Kit specificity:

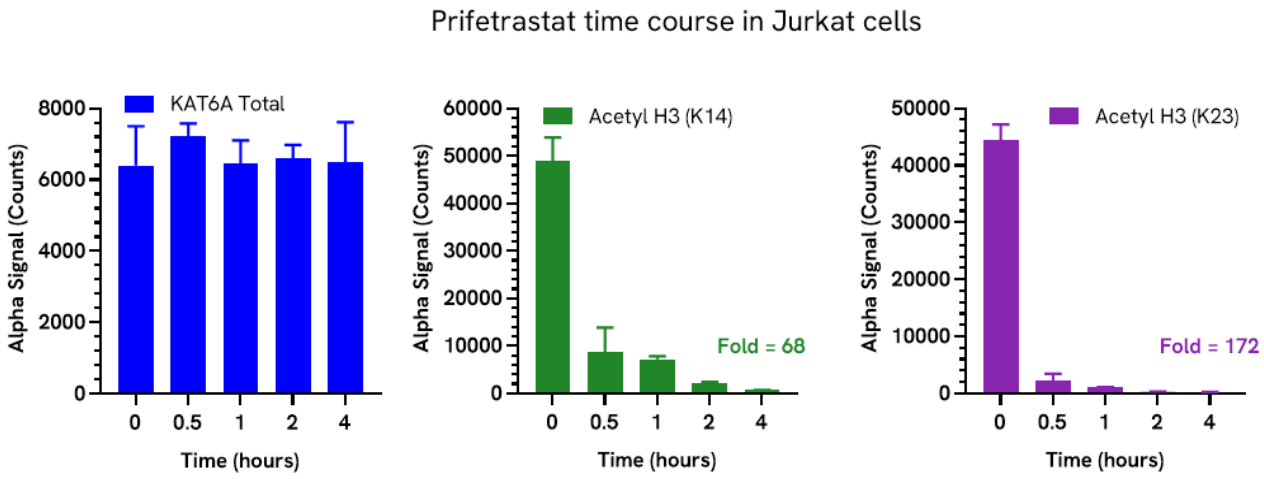
This assay kit contains antibodies which recognize distinct epitopes on KAT6A. The protein detected by this kit corresponds to UniProt ID Q92794. KAT6A is also known as MOZ and MYST3. These antibodies recognize KAT6A of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

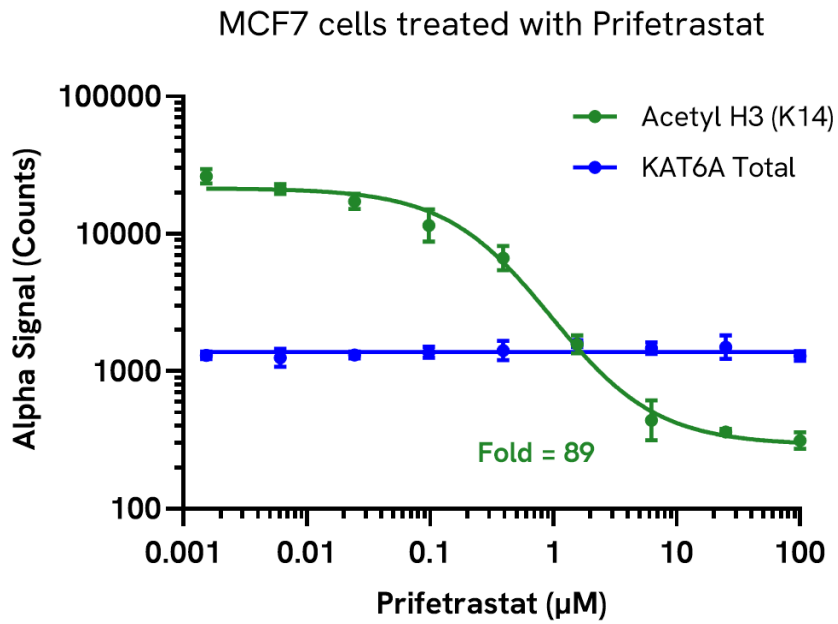
Positive Control Lysate: Prepared from Jurkat cells, cultured in T175 flasks in 10% FBS containing media. Cells were lysed at a density of 3.2 x 10^6 cells/mL with Lysis Buffer B.

Representative data:

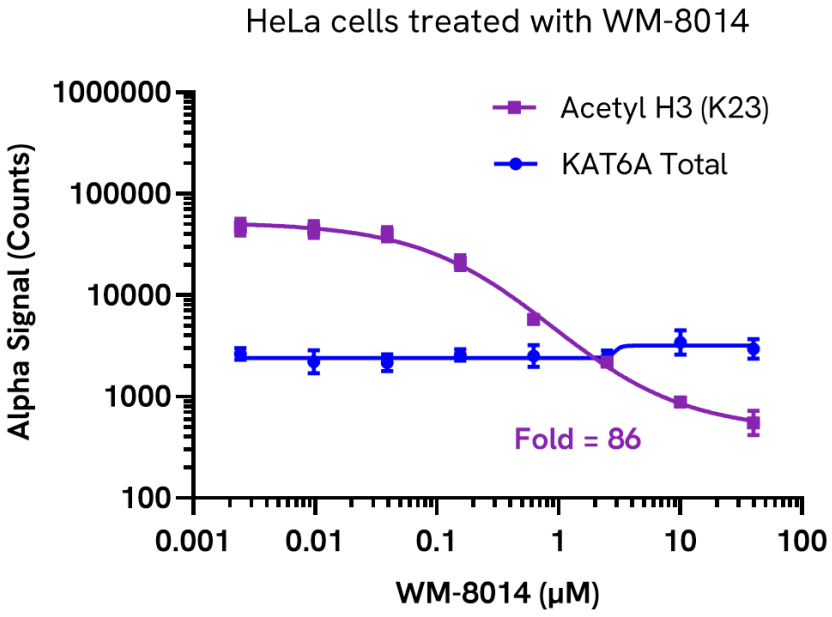
Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were seeded at 400K cells/well in a 96 well plate and treated with 10 µM Prifetrastat for indicated times. Cells were lysed with Lysis Buffer B and assayed separately for Total KAT6A, Acetyl Histone H3 (K14) and (K23) using respective *SureFire* Biotin Free kits. Equivalent to approximately 40,000 cells/datapoint for KAT6A and approximately 20,000 cells/datapoint for Acetyl Histone H3 (K14) and (K23).



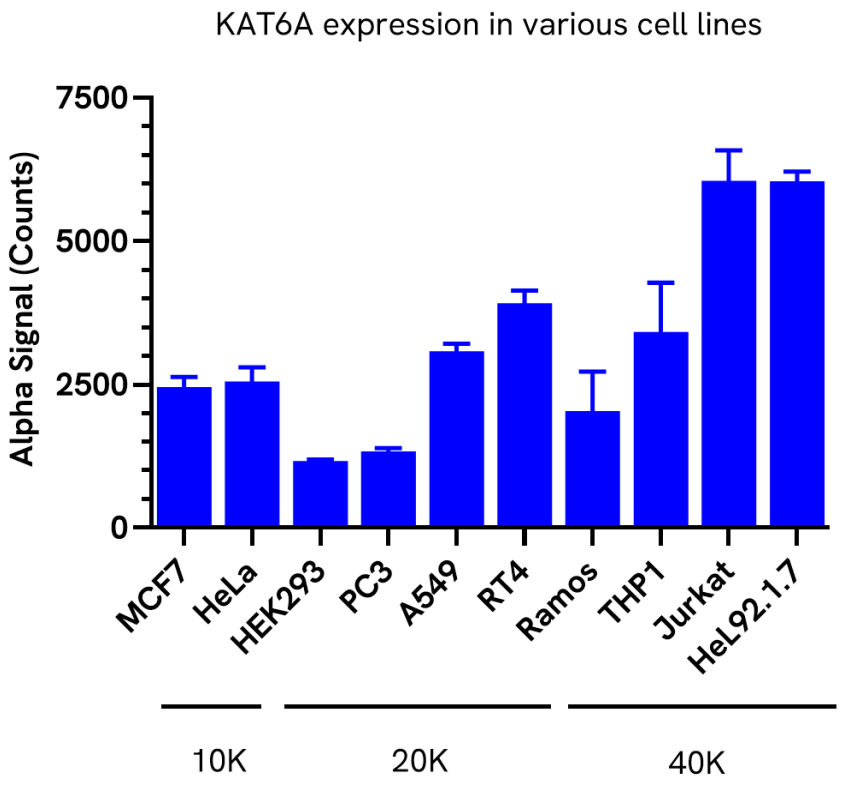
Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with increasing concentrations of Prifetrastat for 4 hours. Cells were lysed with Lysis Buffer B and assayed separately for Total KAT6A and Acetyl Histone H3 (K14) using respective *SureFire* Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint for KAT6A and approximately 750 cells/datapoint for Acetyl Histone H3 (K14).



Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 60K cells/well in a 96 well plate and incubated overnight. Cells were treated with increasing concentrations of WM-8014 for 4 hours. Cells were lysed with Lysis Buffer B and assayed separately for Total KAT6A and Acetyl Histone H3 (K23) using respective *SureFire* Biotin Free kits. Equivalent to approximately 12,000 cells/datapoint for KAT6A and approximately 600 cells/datapoint for Acetyl Histone H3 (K23).



Data obtained from measurement of KAT6A Total in various cell types lysed with Lysis Buffer B. Cells/datapoint is indicated on the graph.



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