



Supporting Information

Nucleotides-Induced Changes in the Mechanical Properties of Living Endothelial Cells and Astrocytes, Analyzed by Atomic Force Microscopy

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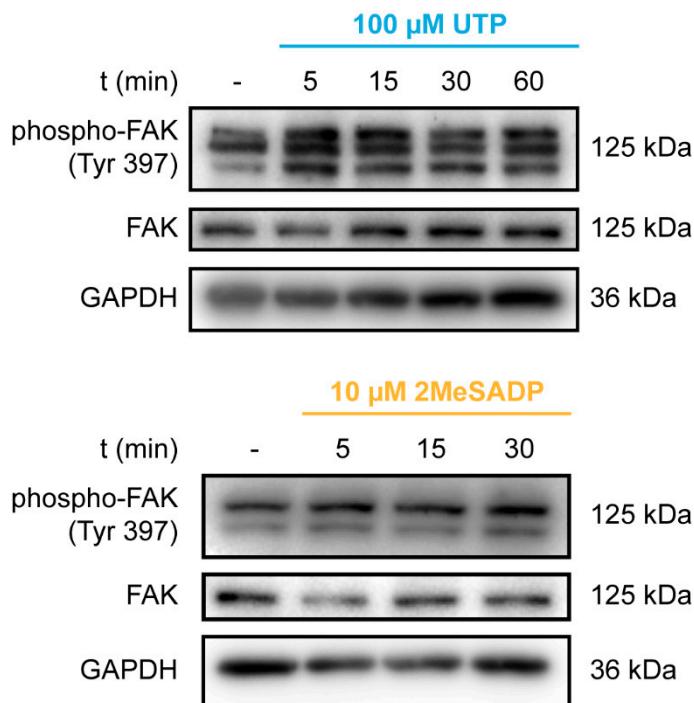


Figure S1. FAK phosphorylation induced by the UTP and 2MeSADP stimulation in rat cerebellar astrocytes. Representative blots showing changes in phospho-FAK (Tyr 397) protein levels after treatment with either 100 µM UTP or 10 µM 2MeSADP for different periods of time are shown, together with total FAK and GAPDH blots.

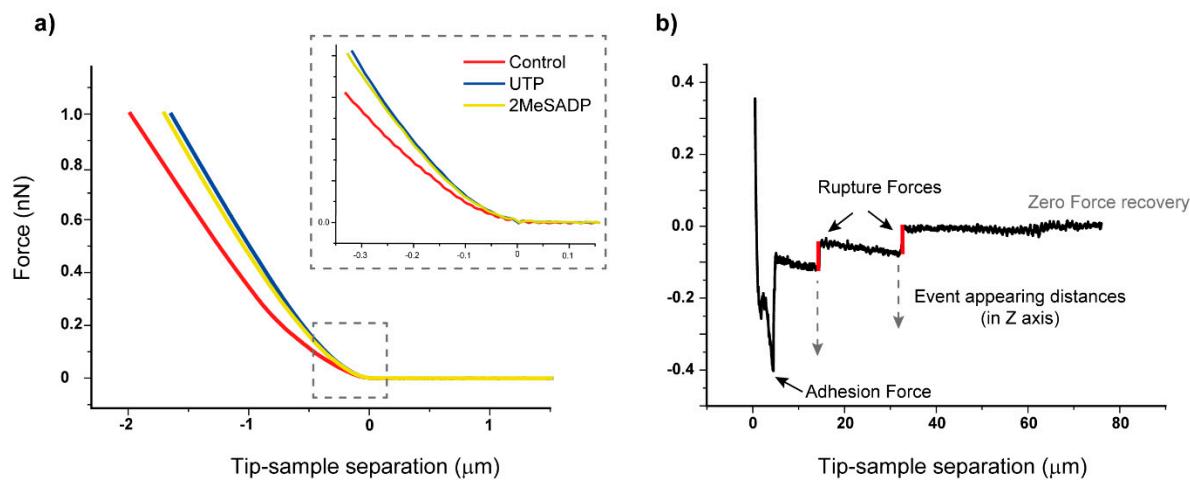


Figure S2. Representative examples of approach (a) and retract (b) plots obtained from Force measurements. Figure (a) shows the comparison between the average curves for astrocytes without (control, red) and with exposure to agonist molecules UTP (Blue) and 2MeSADP (yellow). The inset shows a magnified view of the area highlighted by the dashed grey box, which corresponds to the section of the curve employed for the calculation of the respective Young's moduli (initial 300 nm of the indentation). (b) Retraction plot showing the pulling distance-dependent adhesion-related factors (Adhesion Force, event rupture force and appearing distance). The rupture steps are highlighted in red.