Supplemental Material

Functional Estrogen Receptors of Red Blood Cells. Do They Influence Intracellular Signaling?

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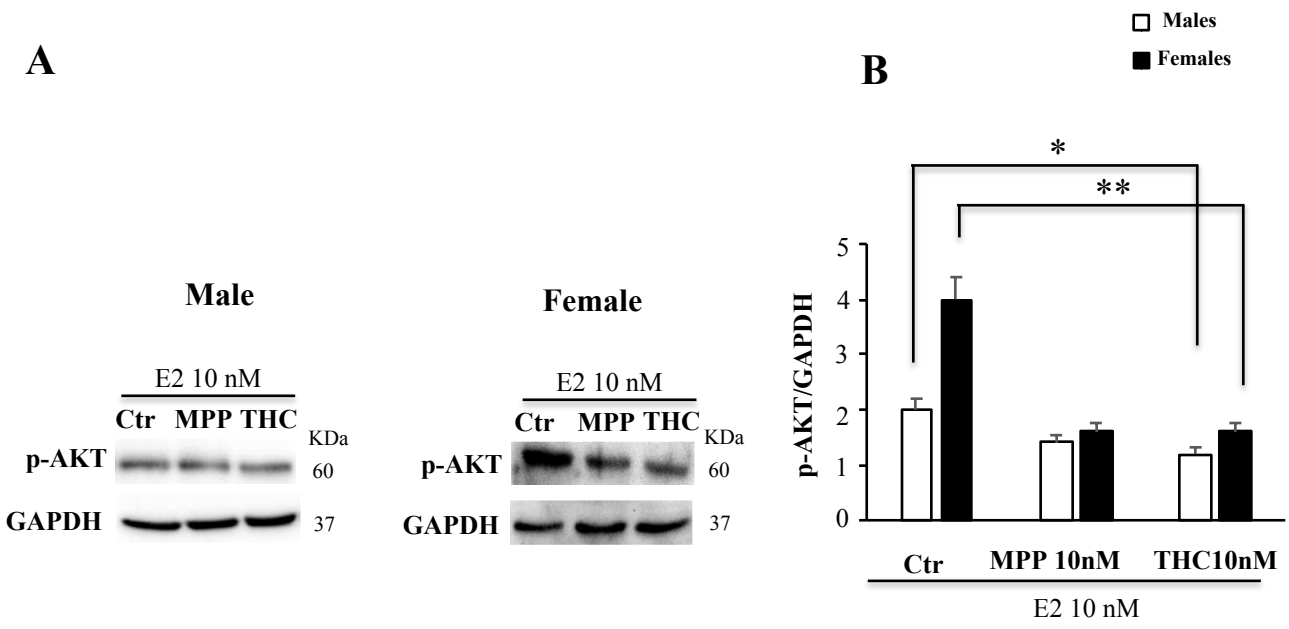

Supplementary Fig.1

To confirm that ER activation could be involved in kinase phosphorylation, we treated RBCs with E2 in presence of the selective antagonist of ER-α (MPP) or of ER-β (THC). Significant ($p < 0.001$) reduction of AKT/PI3K phosphorylation was observed in RBCs from females treated with E2 + MPP (- 50%) and E2 + THC (- 45 %) in comparison to that observed in presence of E2 alone, and from males ($p < 0.05$) .

A) Representative blotting normalized for the GAPDH. B) Histograms show the densitometry analysis of three different experiments. * $p<0.05$; ** $p<0.001$.