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SUPPLEMENTARY MATERIAL

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The selective blockade of metabotropic glutamate receptor-5 attenuates fat accumulation in an *in vitro* model of benign steatosis

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Key words: NAFLD; mGluR5; MPEP, oleate/palmitate; HepG2; SREBP-1; PPAR-α.

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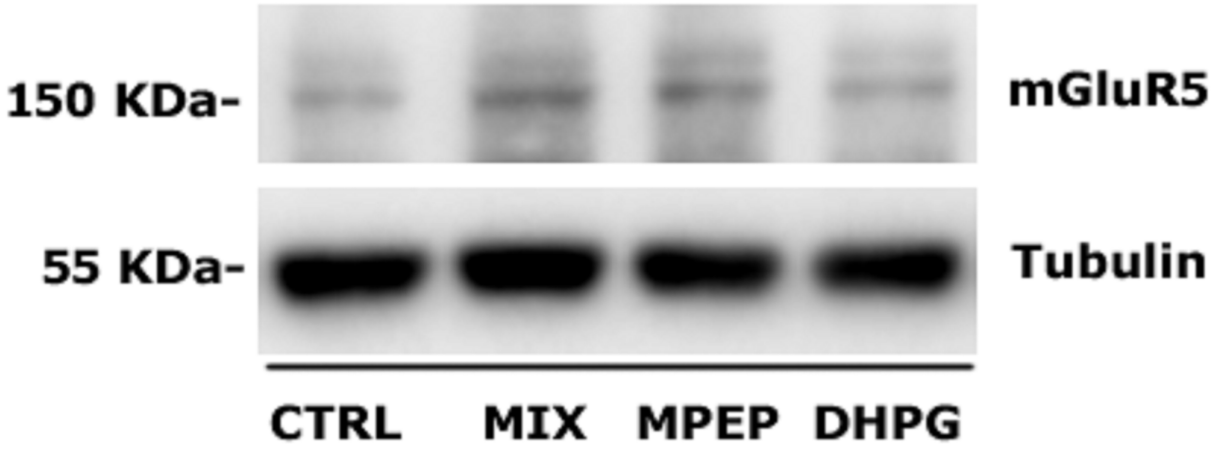
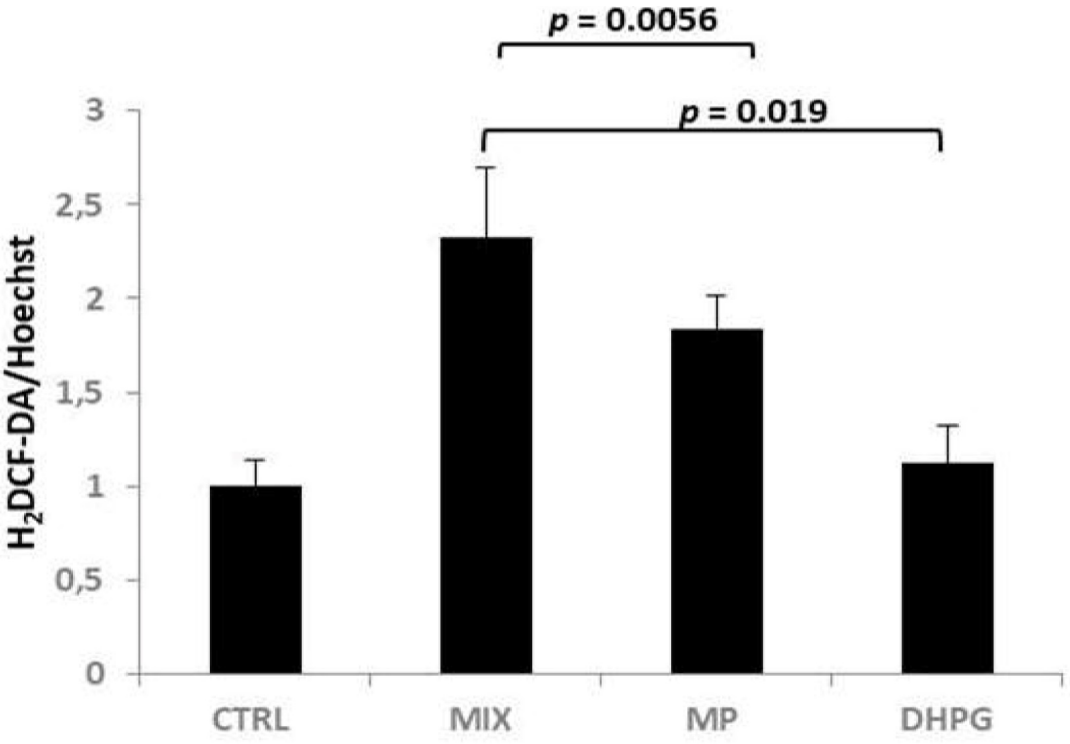


Supplementary Figure 1.
mGluR5 protein expression. The protein expression of mGluR5 did not show any differences among the treatments.



Supplementary Figure 2.

Effect of mGluR5 activation (DHPG) and blockade (MPEP) on O/P mix-induced ROS production in HepG2 cells. 1.5 mM O/P mixture induced significant differences in ROS production in comparison with drug-treated groups. In particular, the administration of MPEP and, surprisingly, of DHPG reduced significantly the oxidative stress in respect with MIX group. The error bars represent the standard error of measurements from three independent experiments each run in duplicate.