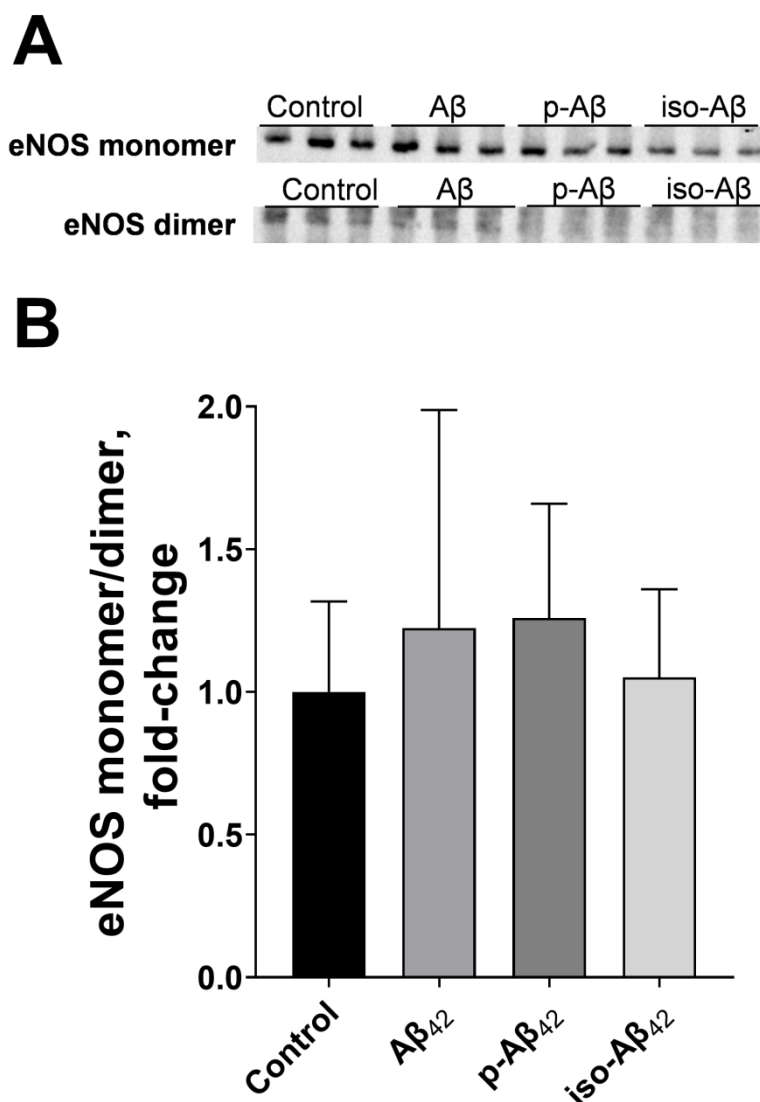


# Supplementary materials

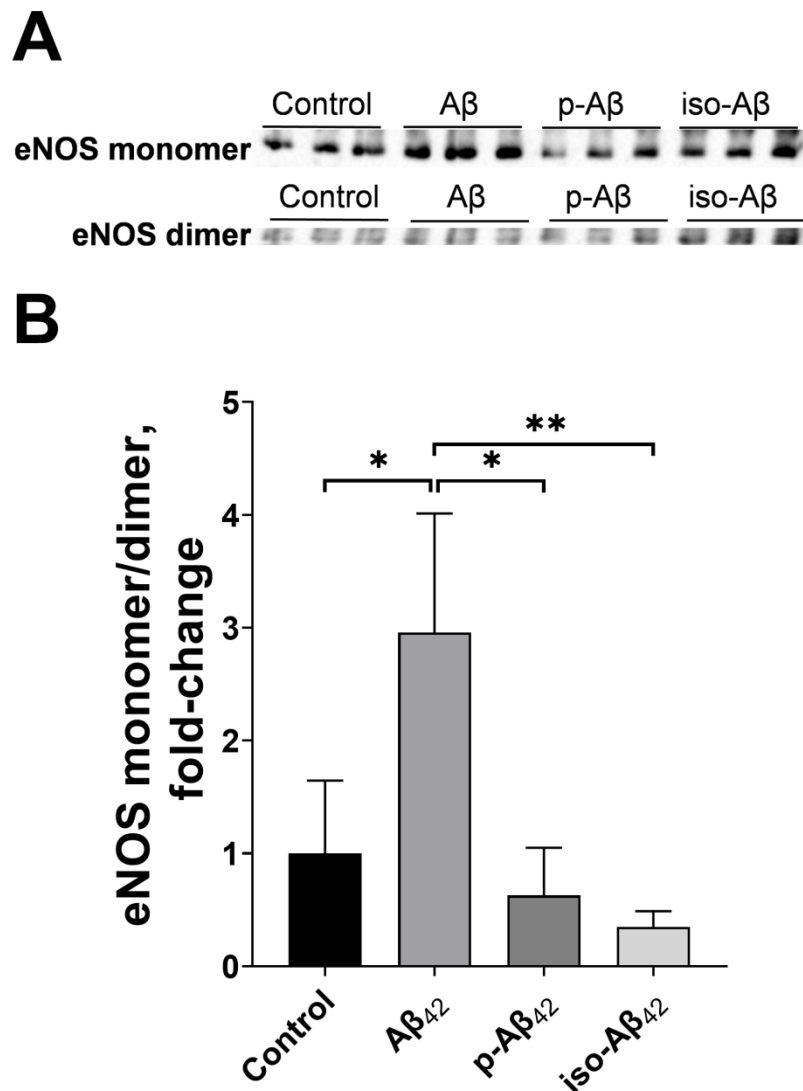
## Distinct effects of beta-amyloid, its isomerized and phosphorylated forms on the redox status and mitochondrial functioning of the blood-brain barrier endothelium

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**Figure S1. The effects of beta-amyloid isoforms on endothelial nitric oxide synthase (eNOS) monomer/dimer ratio in bEnd.3 cells.** Cells were incubated for 24 hours with 10  $\mu$ M of A $\beta$ <sub>42</sub>, p-A $\beta$ <sub>42</sub> and iso-A $\beta$ <sub>42</sub>. eNOS monomer/dimer ratio was measured with Western blot. **(A)** The representative blots and **(B)** the corresponding eNOS monomer/dimer ratio are presented. The

values in the control samples are taken as 1. Mean values  $\pm$  SD from three independent experiments are shown.



**Figure S2. The effects of beta-amyloid isoforms on endothelial nitric oxide synthase (eNOS) monomer/dimer ratio in bEnd.3 cells.** Cells were incubated for 48 hours with 10  $\mu$ M of A $\beta$ <sub>42</sub>, p-A $\beta$ <sub>42</sub> and iso-A $\beta$ <sub>42</sub>. eNOS monomer/dimer ratio was measured with Western blot. **(A)** The representative blots and **(B)** the corresponding eNOS monomer/dimer ratio are presented. The values in the control samples are taken as 1. Mean values  $\pm$  SD from three independent experiments are shown. \* -  $p < 0.05$ , \*\* -  $p < 0.01$ .