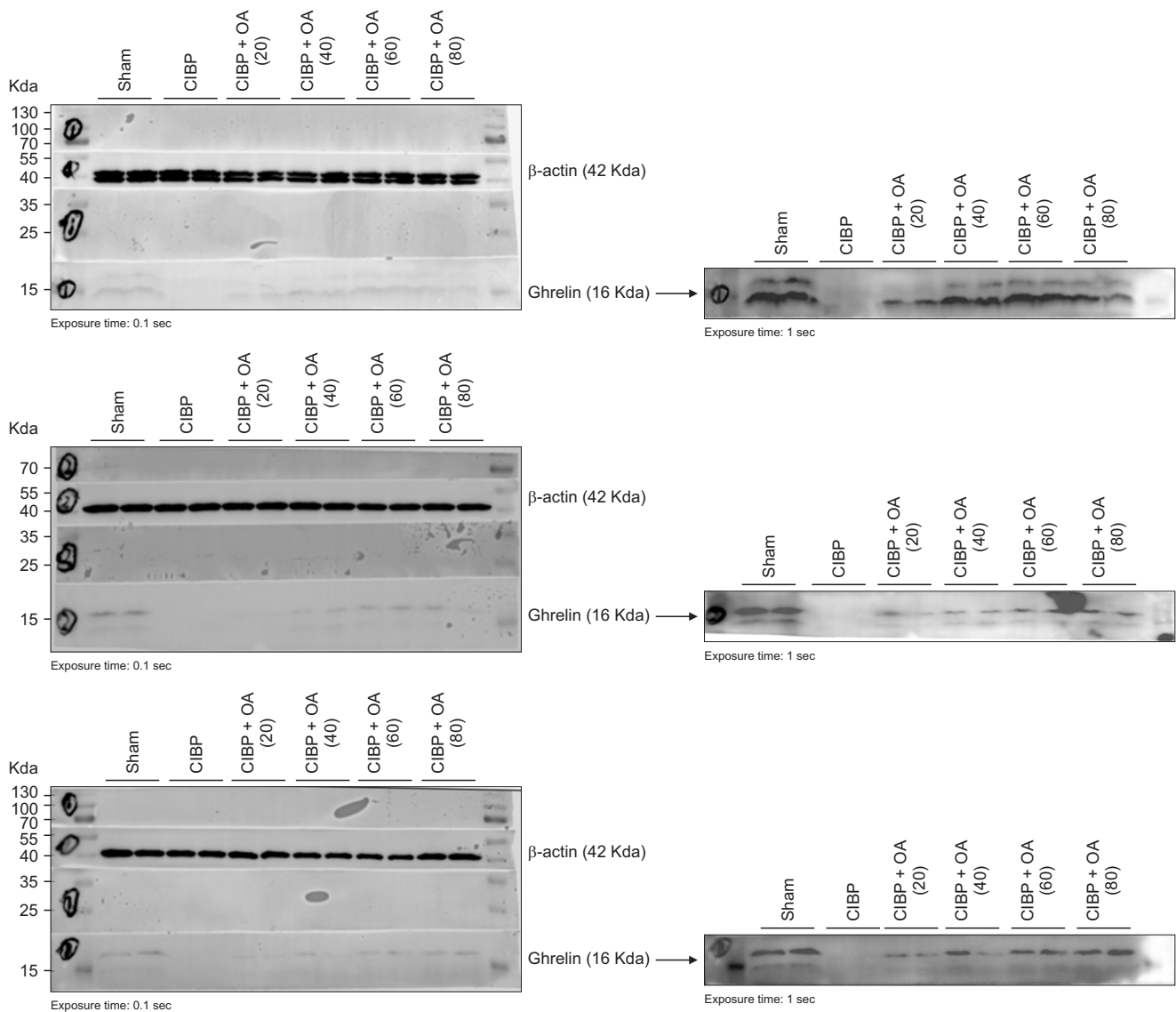
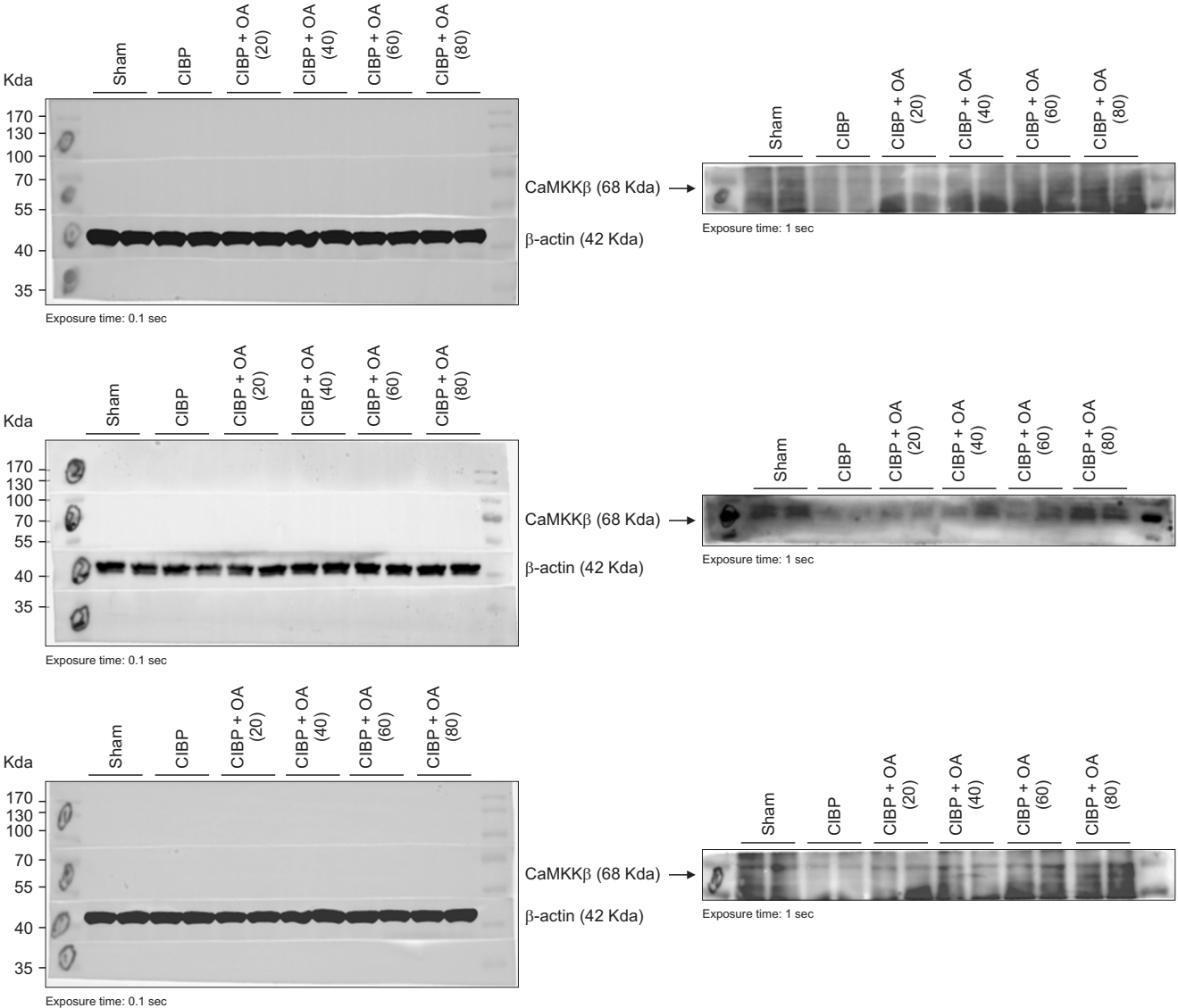


**The first part of the study:
Ghrelin**



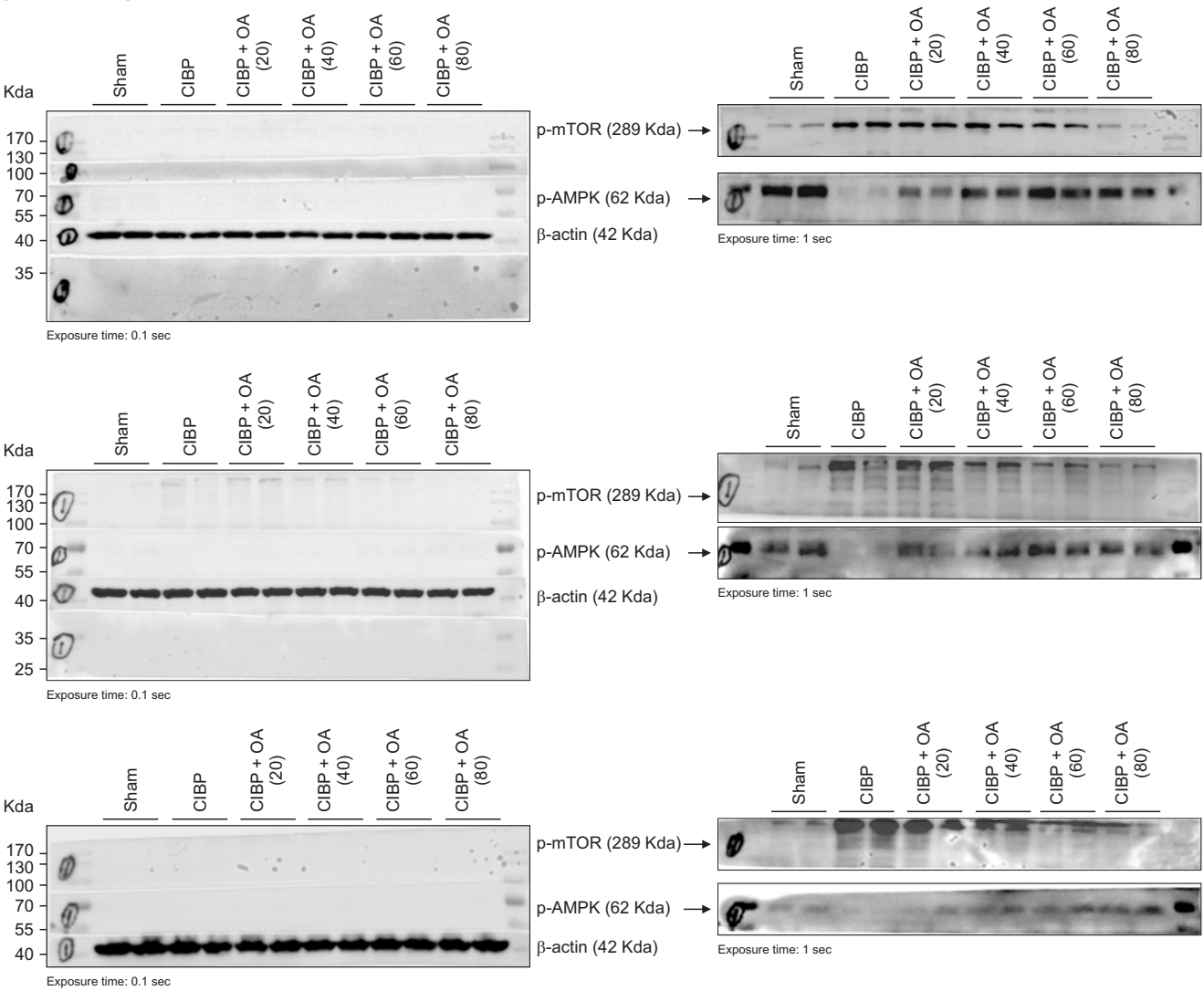
Supplementary Fig. 1. The original image of western blotting. The expression of ghrelin, CaMKK β , p-AMPK/AMPK, p-mTOR/mTOR, NPY and GOAT are measured by western blotting. β -Actin is used as a control. CIBP: cancer-induced bone pain, OA: octanoic acid, GOAT: ghrelin O-acyl-transferase.

CaMKKβ



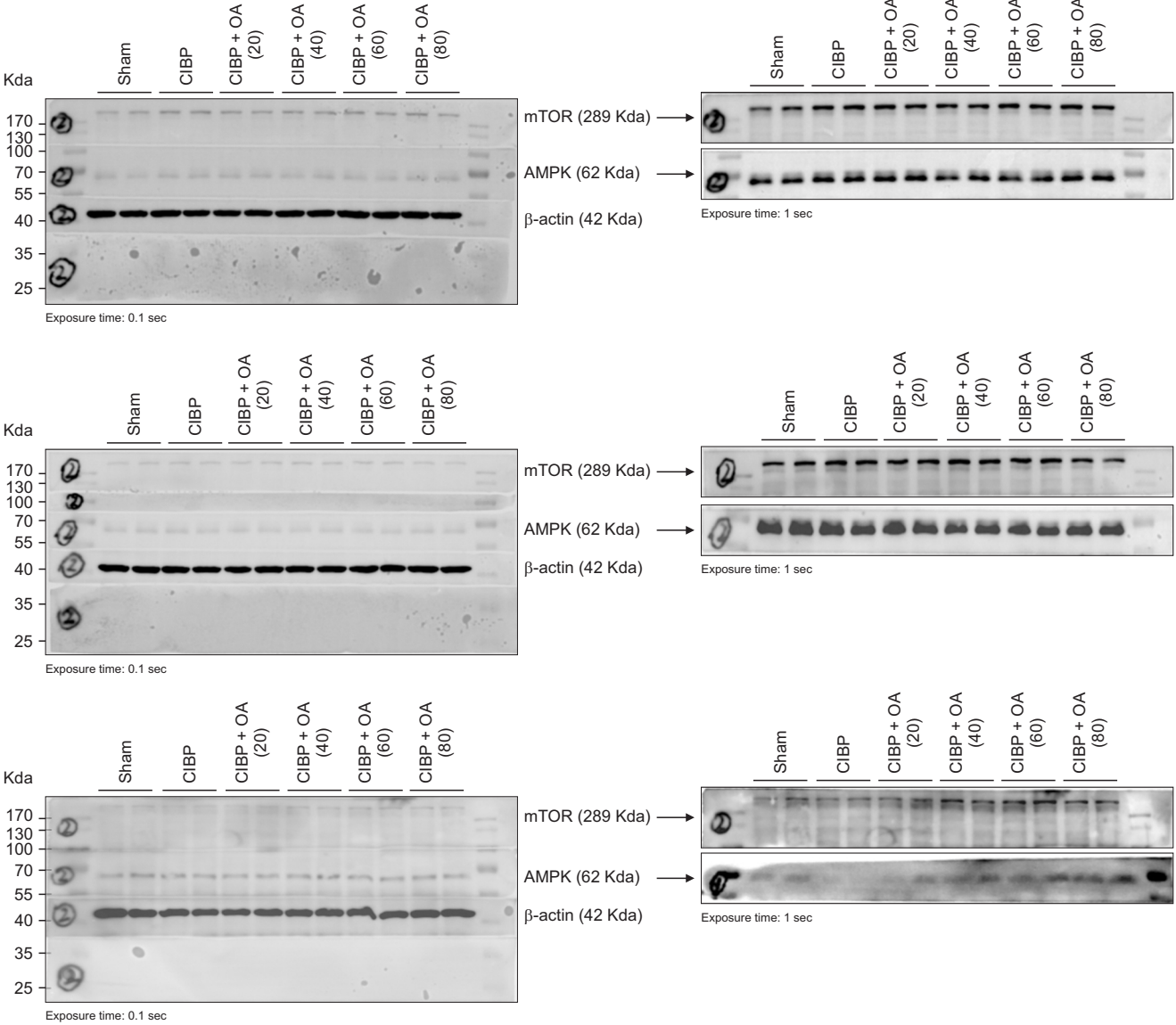
Supplementary Fig. 1. Continued 1.

p-mTOR and p-AMPK



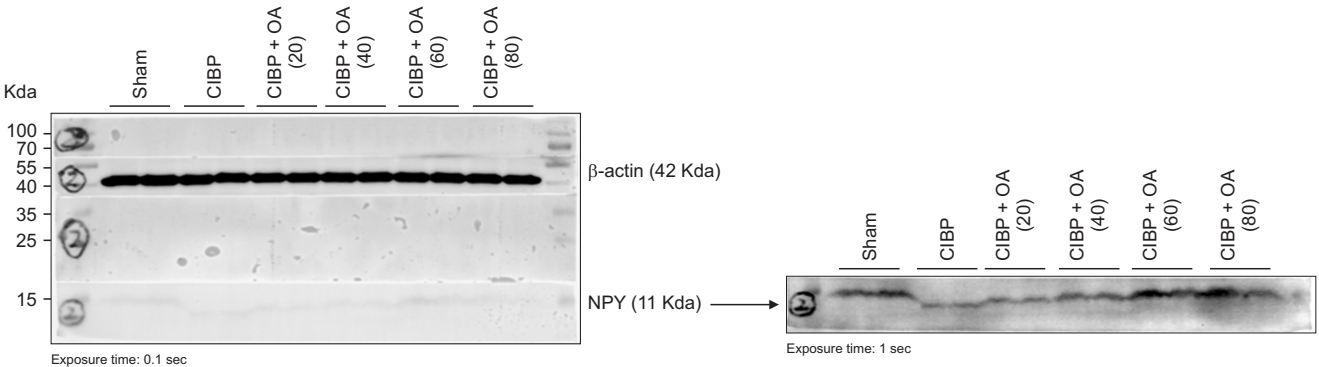
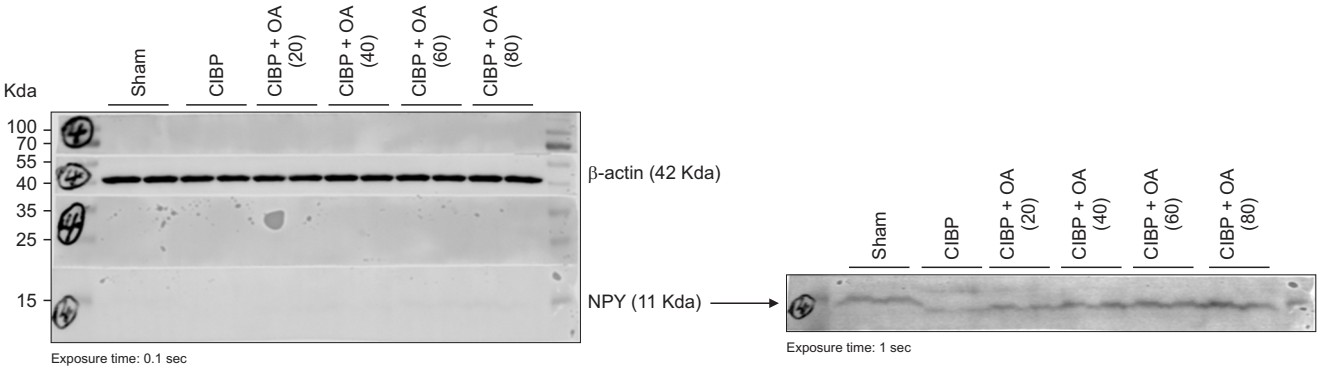
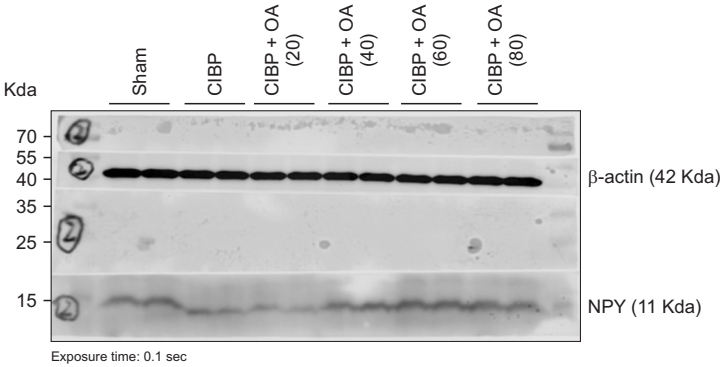
Supplementary Fig. 1. Continued 2.

mTOR and AMPK



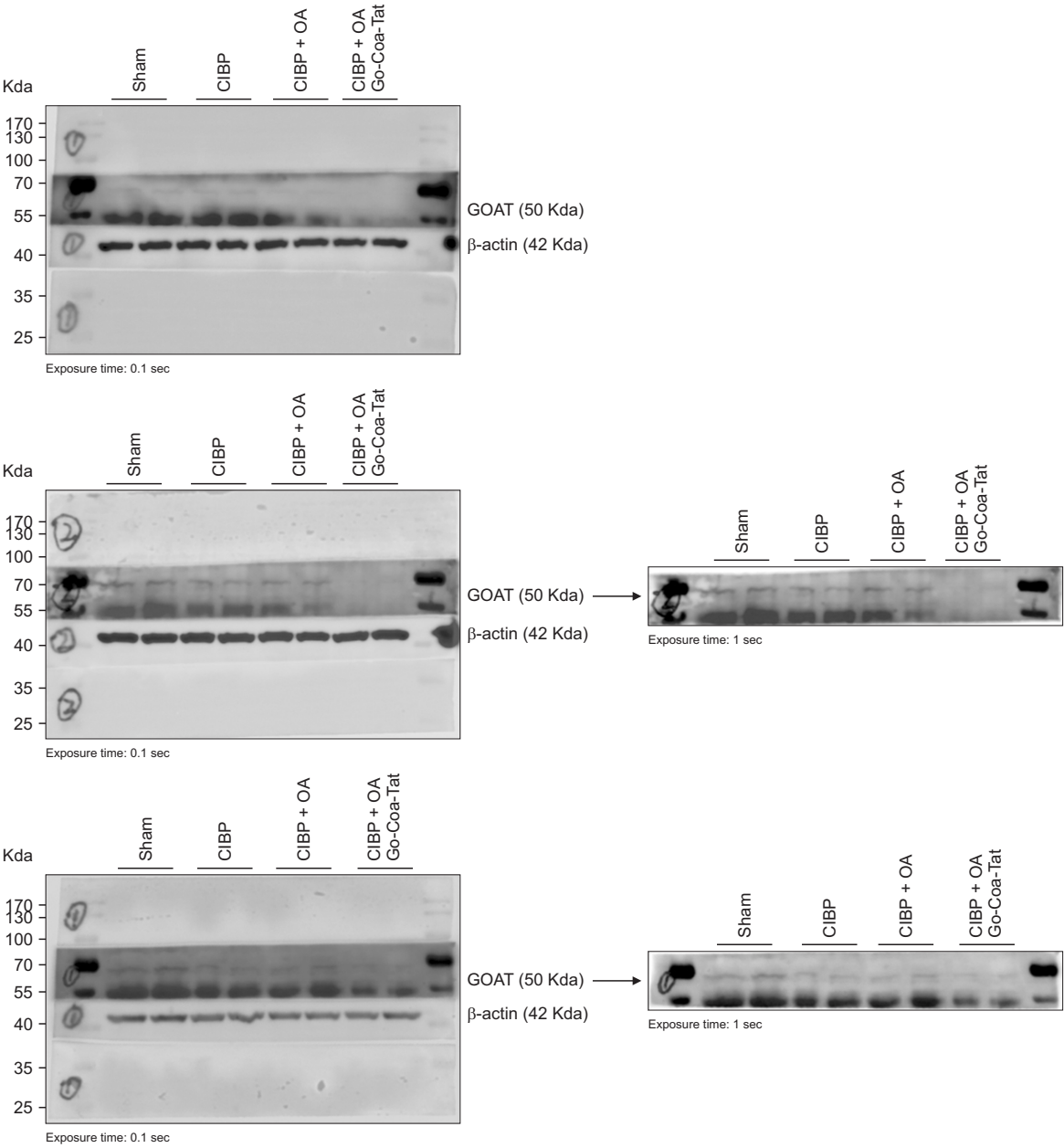
Supplementary Fig. 1. Continued 3.

NPY



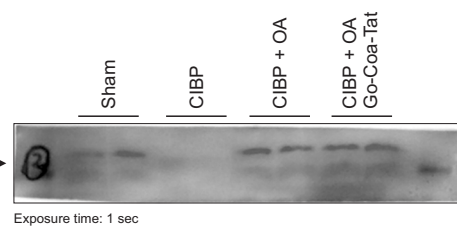
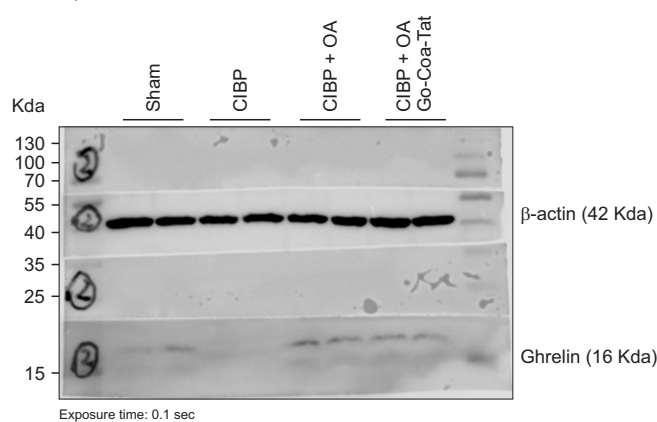
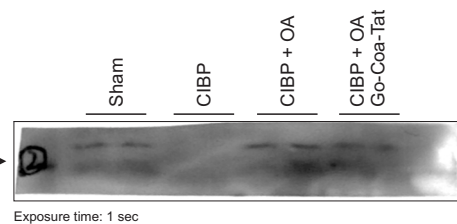
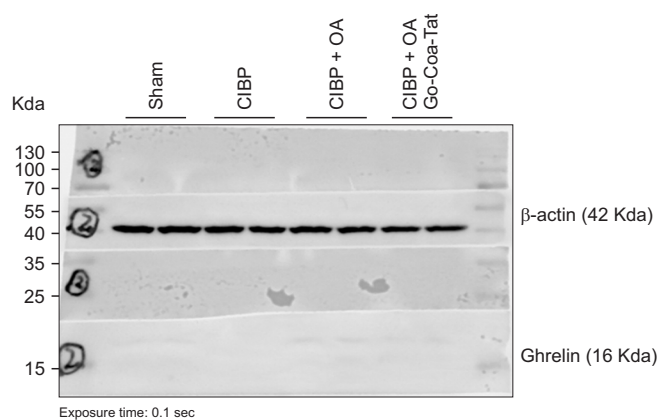
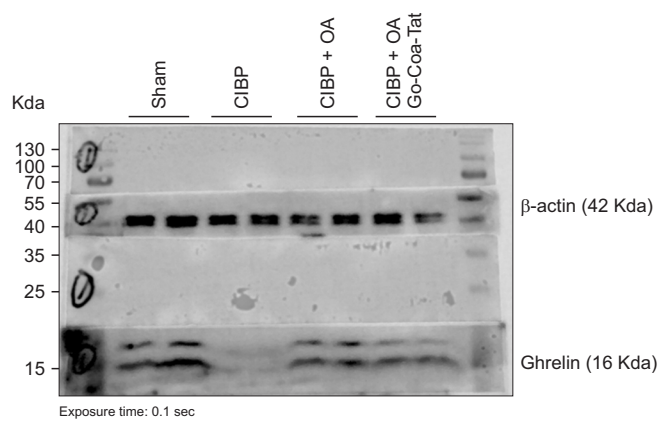
Supplementary Fig. 1. Continued 4.

The second part of the study:
GOAT



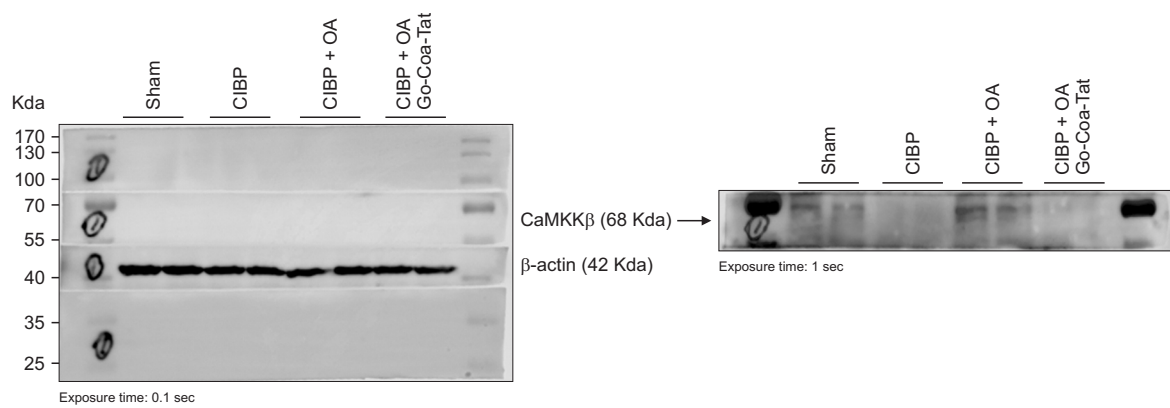
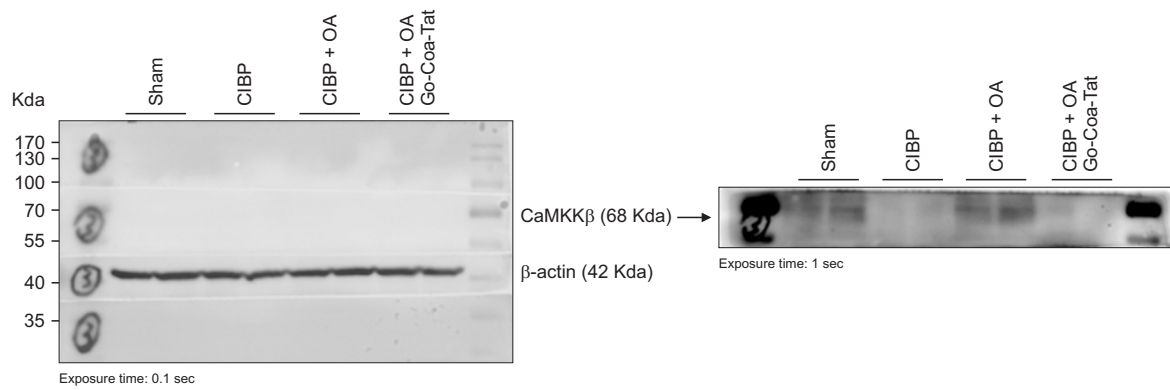
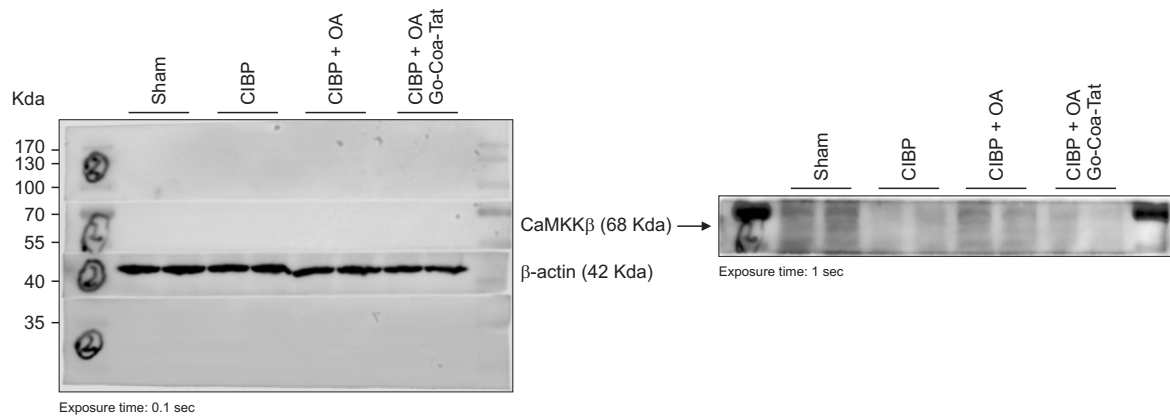
Supplementary Fig. 1. Continued 5.

Ghrelin



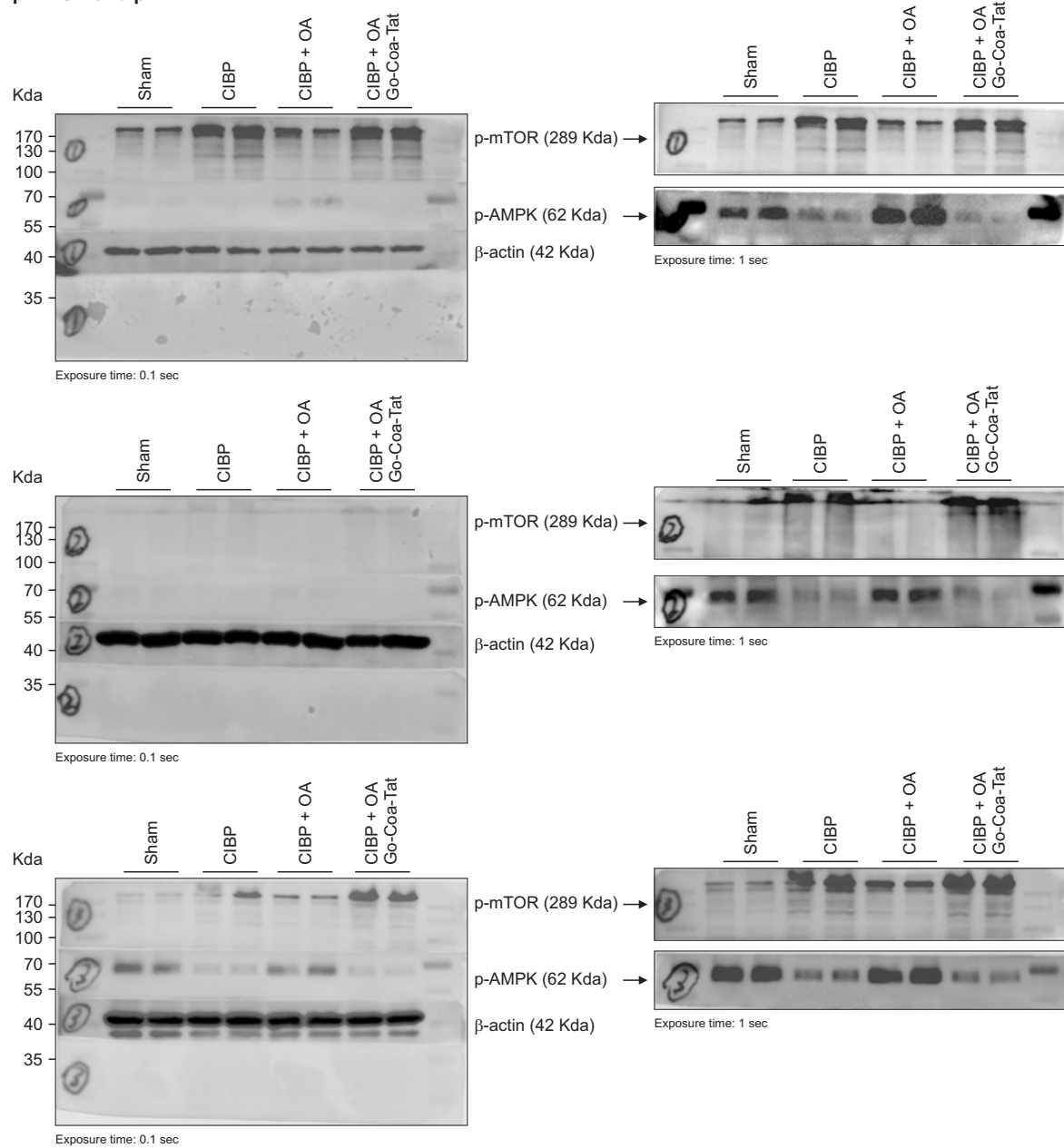
Supplementary Fig. 1. Continued 6.

CaMKK β



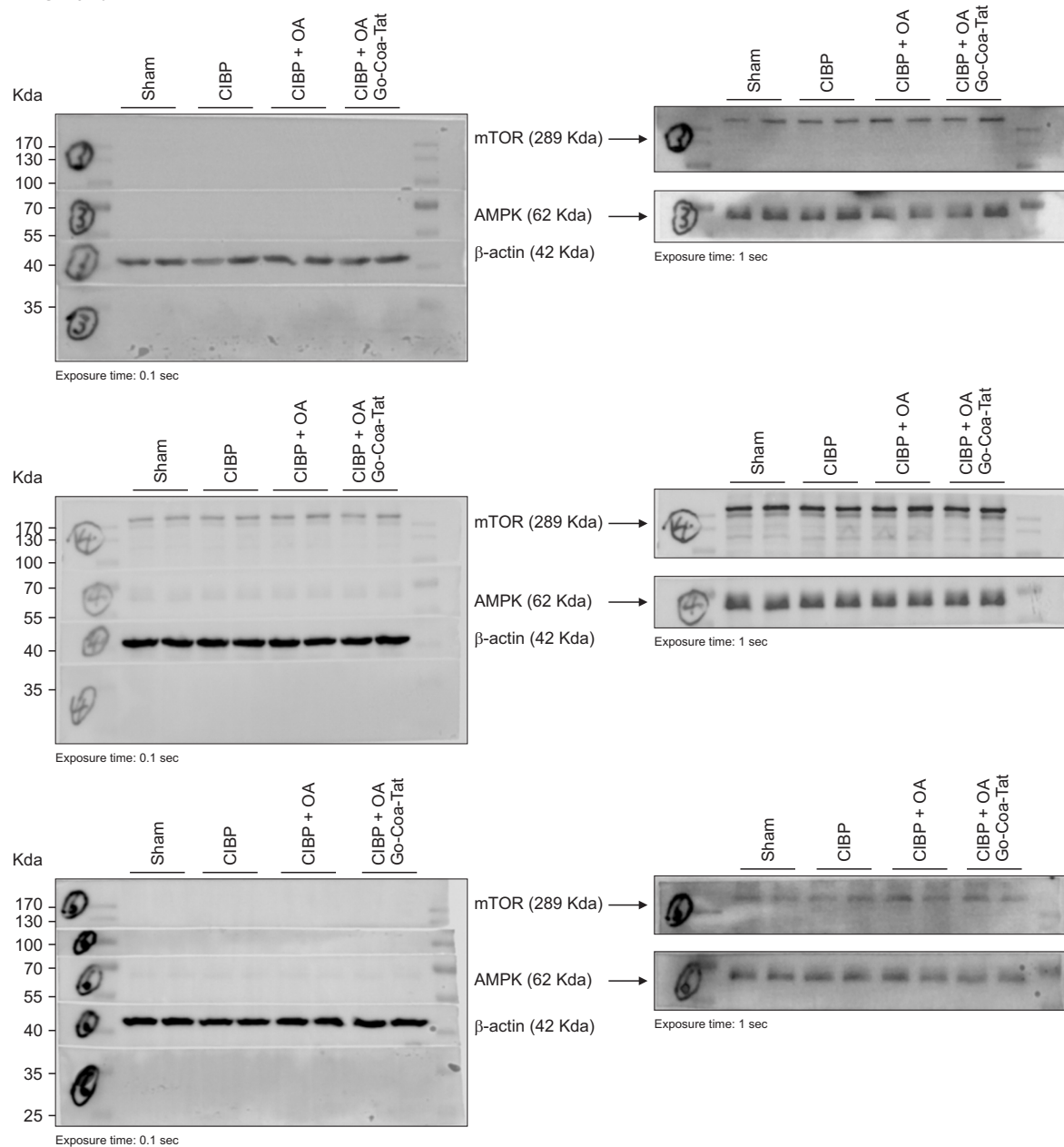
Supplementary Fig. 1. Continued 7.

p-mTOR and p-AMPK



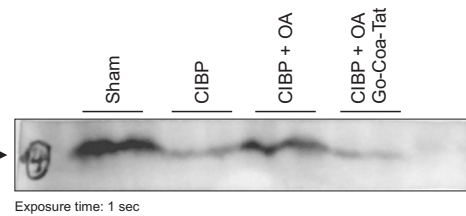
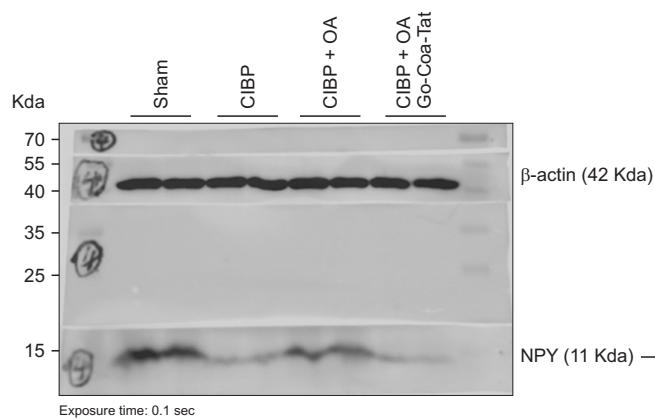
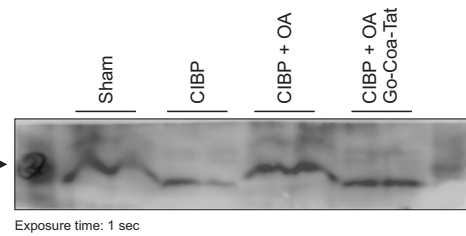
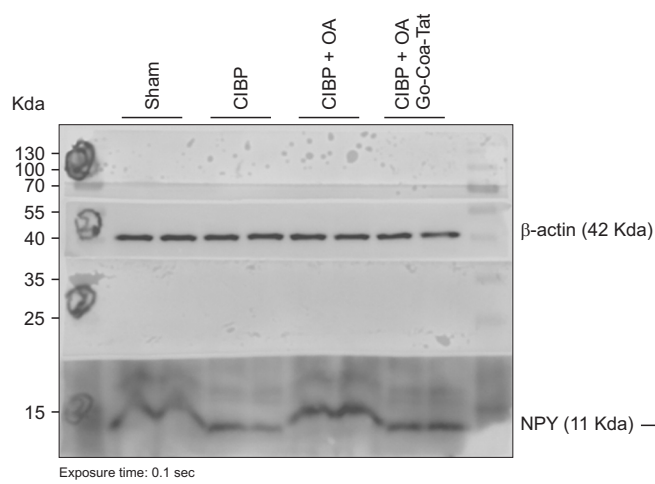
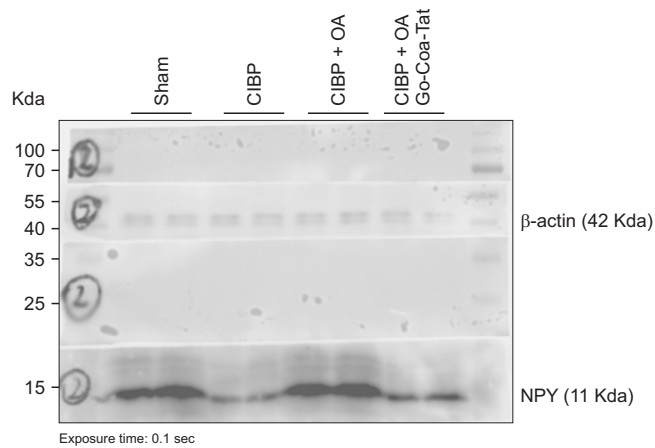
Supplementary Fig. 1. Continued 8.

mTOR and AMPK



Supplementary Fig. 1. Continued 9.

NPY



Supplementary Fig. 1. Continued 10.