






Raw data from Western blotting to:

Original article:

HEXAHYDROCURCUMIN MITIGATES ANGIOTENSIN II-INDUCED PROLIFERATION, MIGRATION, AND INFLAMMATION IN VASCULAR SMOOTH MUSCLE CELLS

Luckika Panthiya^{1,5} , Jiraporn Tocharus² , Waraluck Chaichompoo³ ,
Apichart Suksamran³ , Chainarong Tocharus^{1,4,*} 

¹ Department of Anatomy, Faculty of Medicine, Chiang Mai University, Chiang Mai 50200, Thailand

² Department of Physiology, Faculty of Medicine, Chiang Mai University, Chiang Mai 50200, Thailand

³ Department of Chemistry and Center of Excellence of Innovation in Chemistry, Faculty of Science, Ramkhamhaeng University, Bangkok 10240, Thailand

⁴ Functional Food Research Center for Well-Being, Chiang Mai University, Chiang Mai 50200, Thailand

⁵ Graduate School, Chiang Mai University, Chiang Mai 50200, Thailand

* **Corresponding author:** Chainarong Tocharus, Department of Anatomy, Faculty of Medicine, Chiang Mai University, Chiang Mai 50200, Thailand. Tel.: +66 53 945312, Fax: +66 53 945304, E-mail: chainarongt@hotmail.com

<https://dx.doi.org/10.17179/excli2023-6124>

This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/4.0/>).

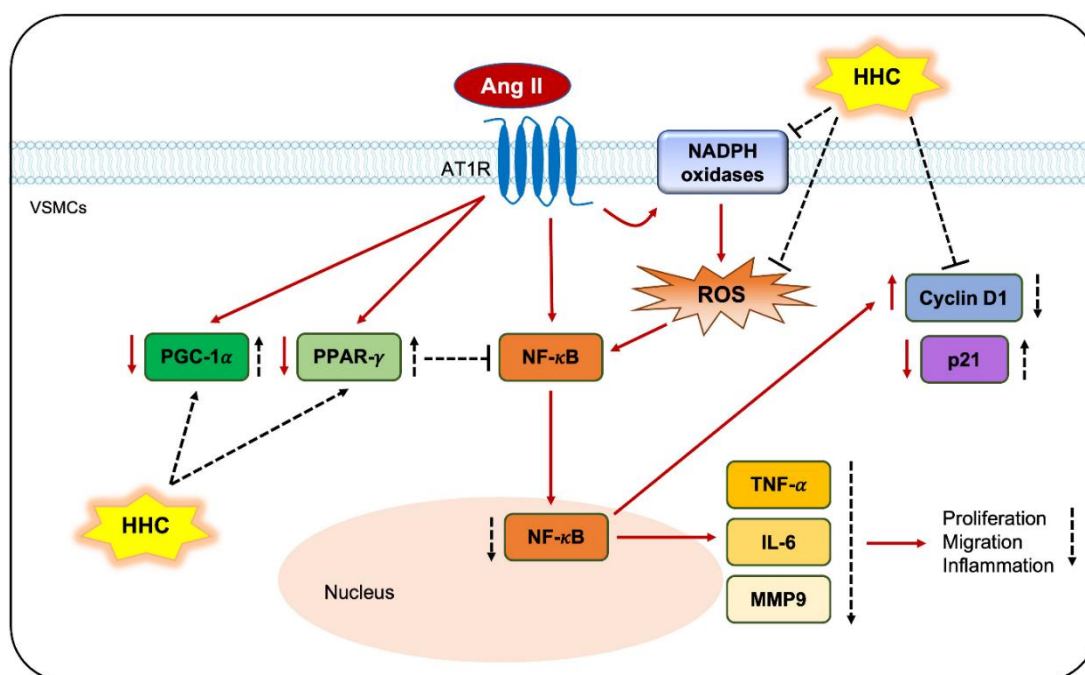


Figure 1: Graphical abstract

Raw data from Western blotting

Cyclin D1 (35 kDa)

In figure 2

n1

Control
Ang II
HHC10 + Ang II
HHC20 + Ang II
HHC40 + Ang II

63 kDa
48 kDa

Cyclin D1 (35 kDa)

Actin (42 kDa)

n2

Cyclin D1 (35 kDa)

Actin (42 kDa)

n3

Cyclin D1 (35 kDa)

Actin (42 kDa)

n4

Cyclin D1 (35 kDa)

Actin (42 kDa)

n5

**Representative band

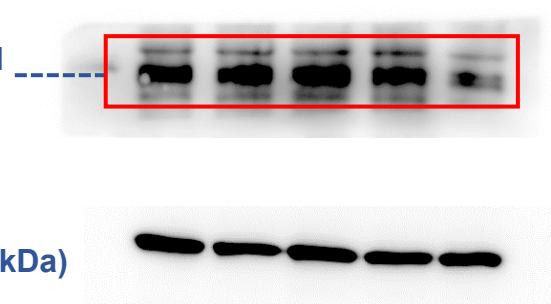
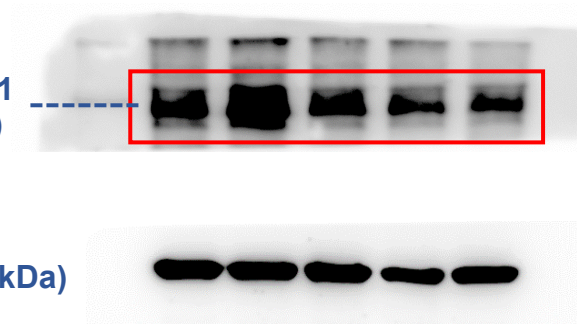
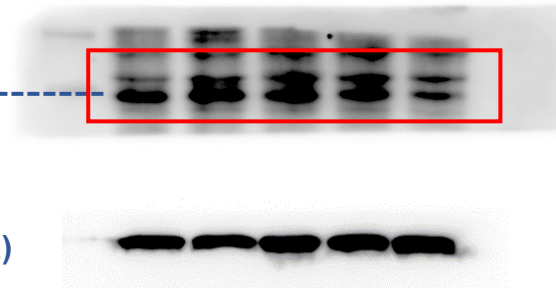
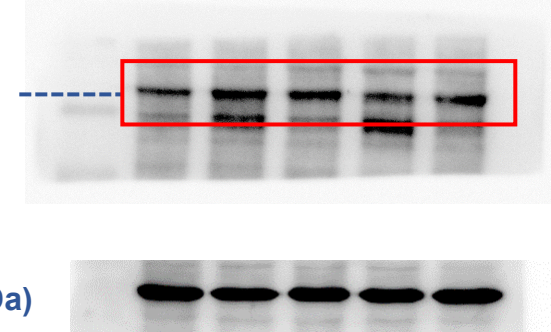
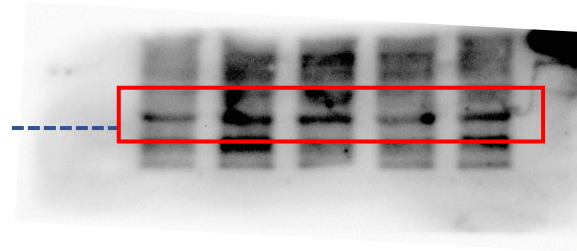
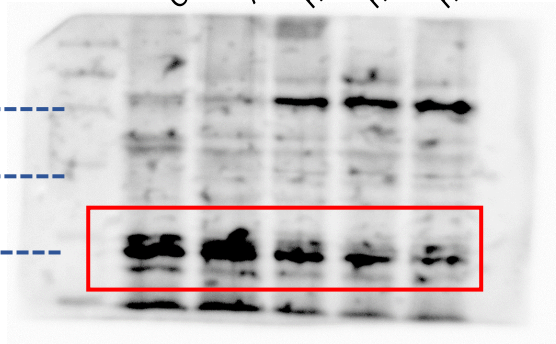
Cyclin D1 (35 kDa)

Actin (42 kDa)

n6

Cyclin D1 (35 kDa)

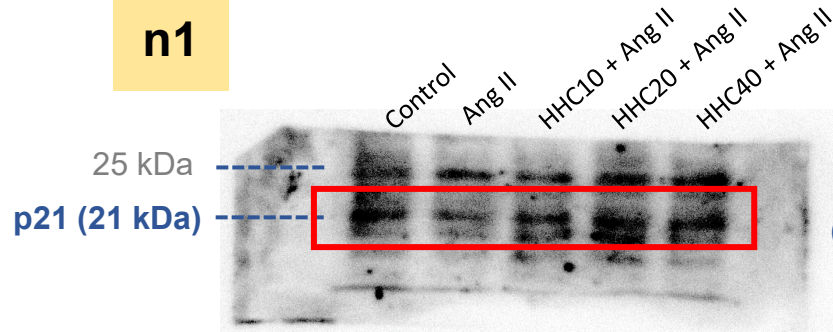
Actin (42 kDa)



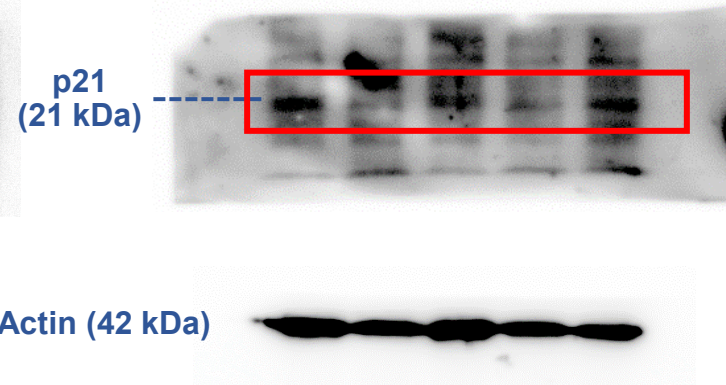
P21 (21 kDa)

In figure 2

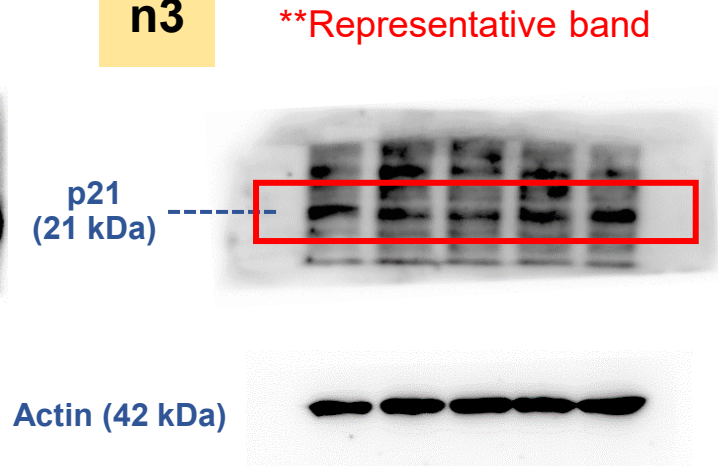
n1



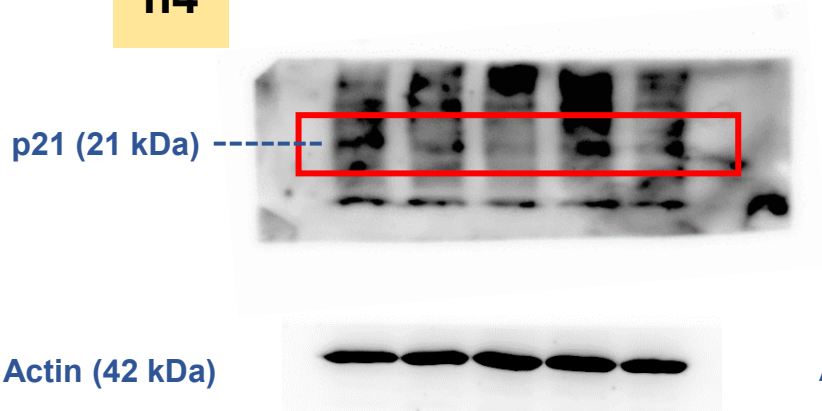
n2



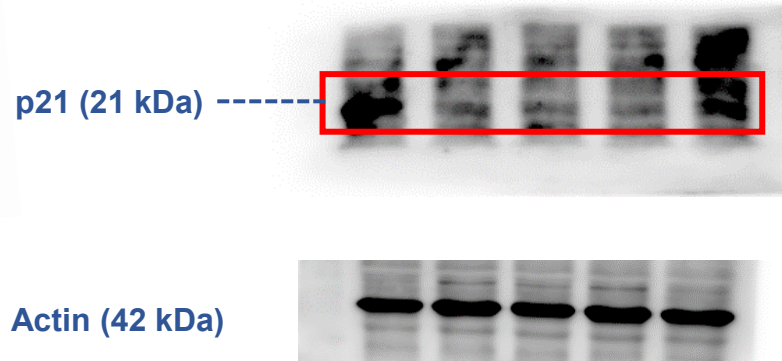
n3



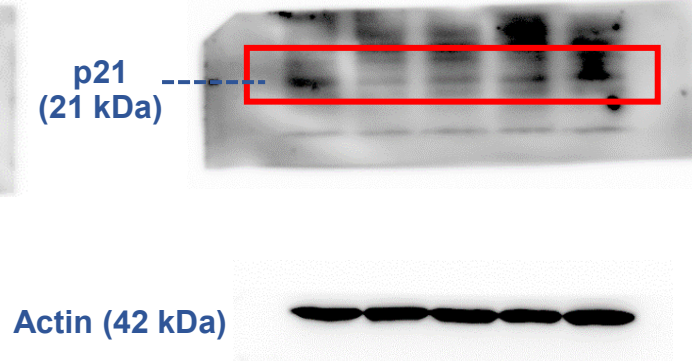
n4



n5



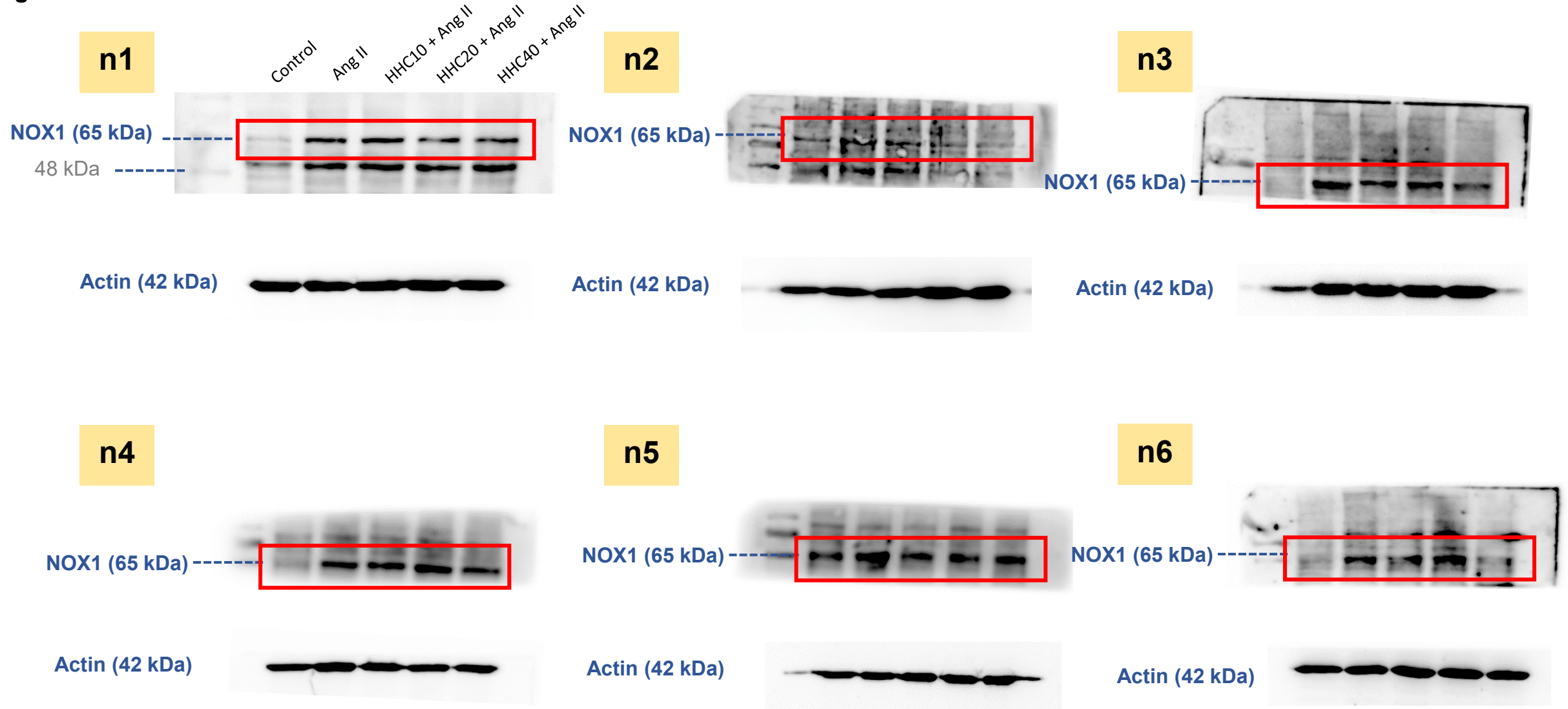
n6



NOX1 (65 kDa)

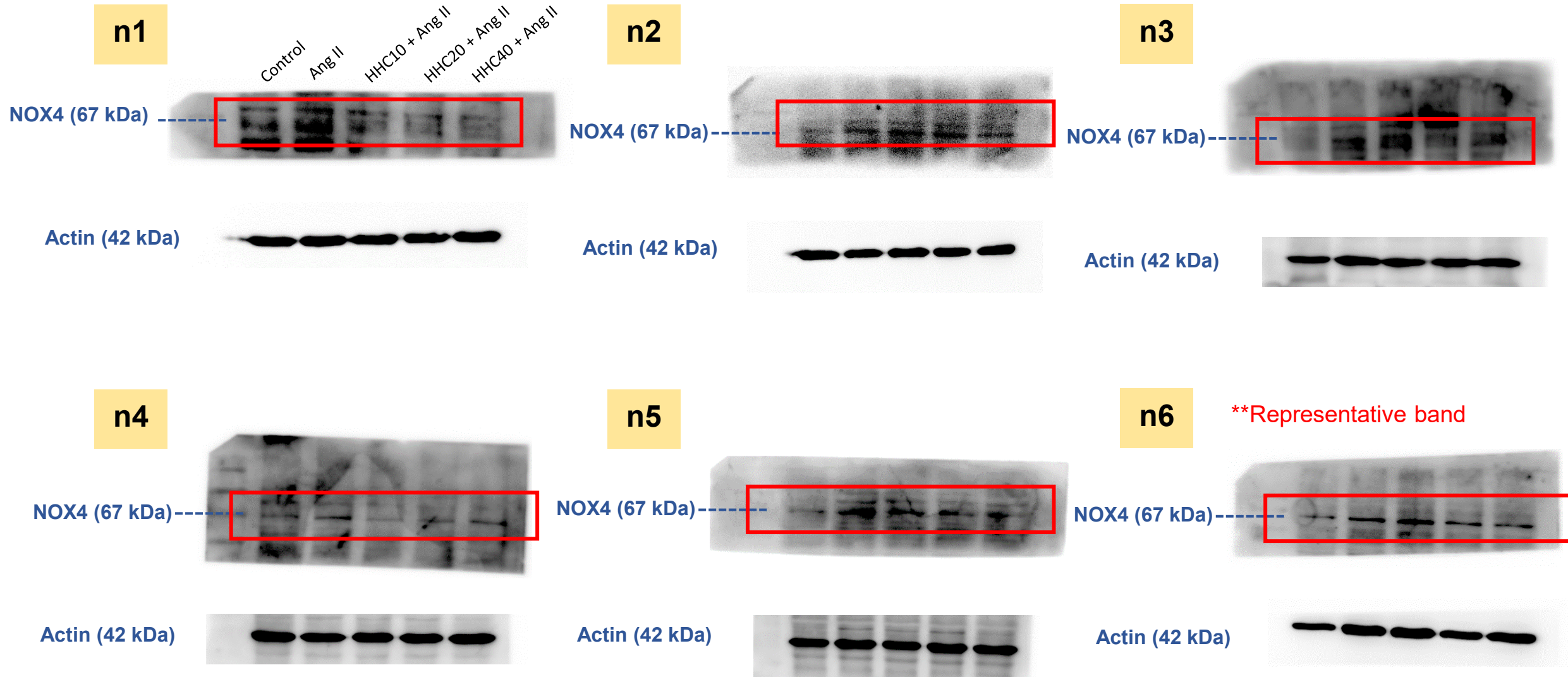
In figure 4

**Representative band



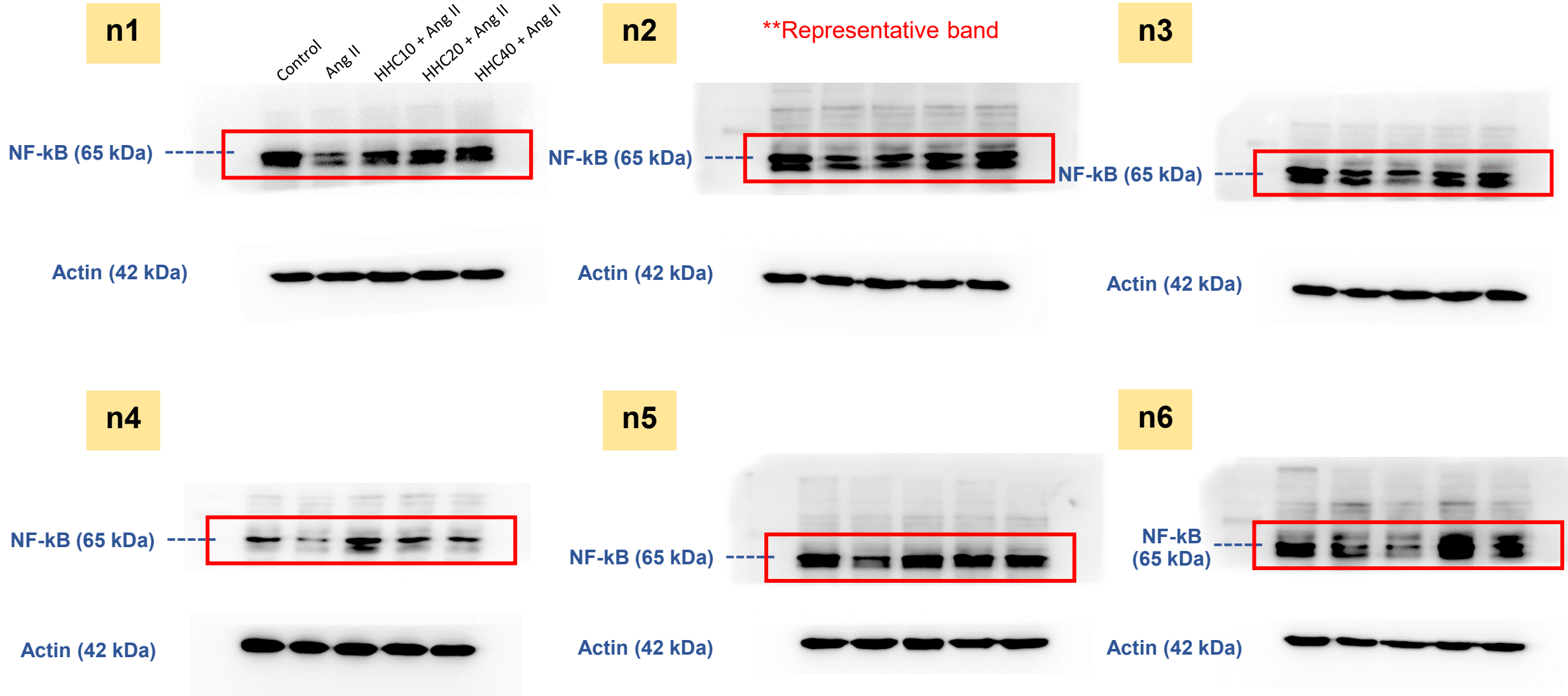
NOX4 (67 kDa)

In figure 4



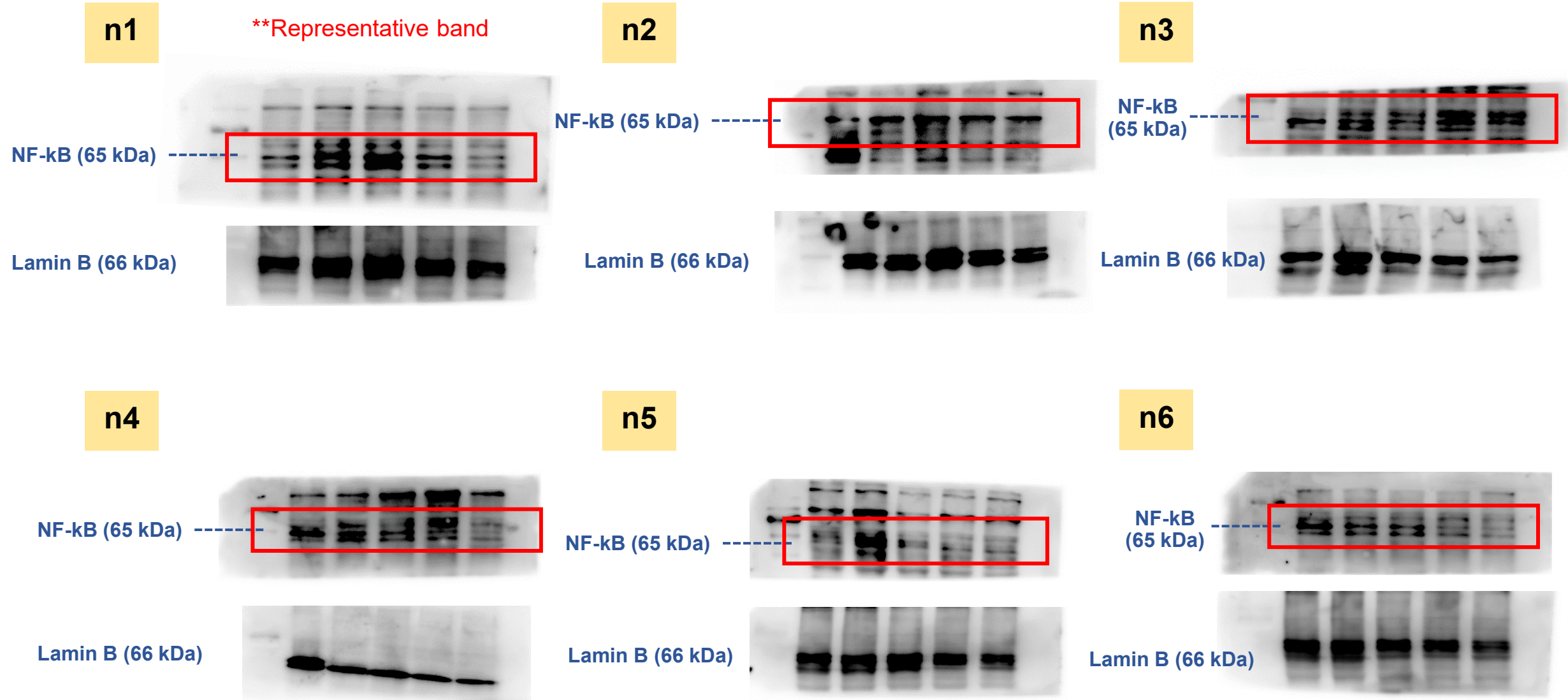
Cytosolic NF-kB p65 (65 kDa)

In figure 5



Nuclear NF-kB p65 (65 kDa)

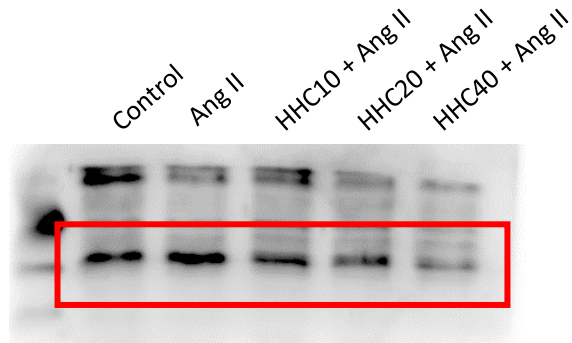
In figure 5



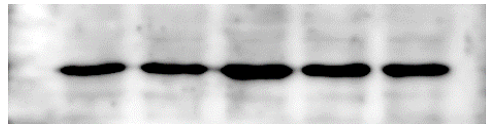
TNF- α (25 kDa)

In figure 5

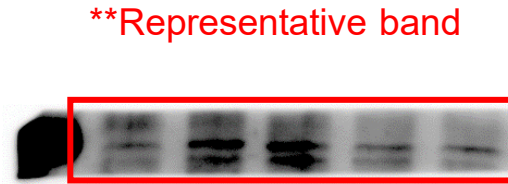
n1



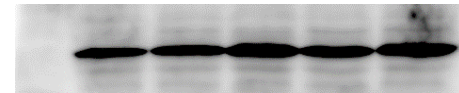
Actin (42 kDa)



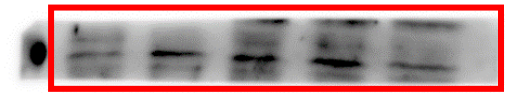
n2



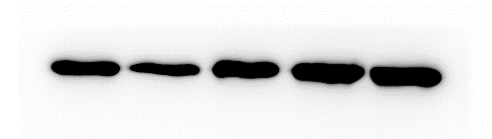
Actin (42 kDa)



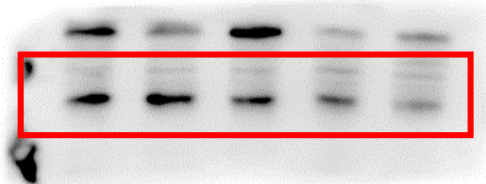
n3



Actin (42 kDa)



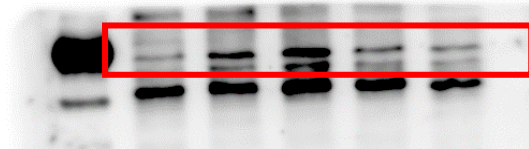
n4



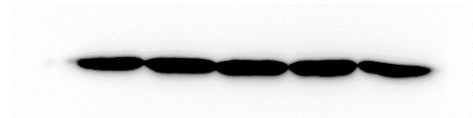
Actin (42 kDa)



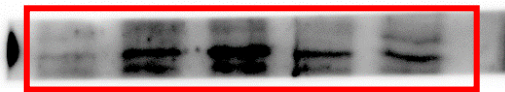
n5



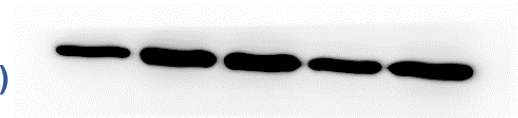
Actin (42 kDa)



n6



Actin (42 kDa)



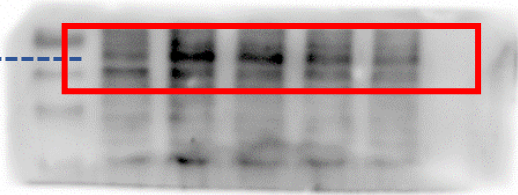
IL-6 (23 kDa)

In figure 5

n1

**Representative band

IL-6 (23 kDa)

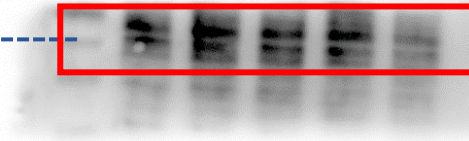


Actin (42 kDa)



n2

IL-6 (23 kDa)

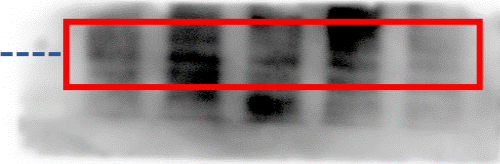


Actin (42 kDa)



n3

IL-6 (23 kDa)

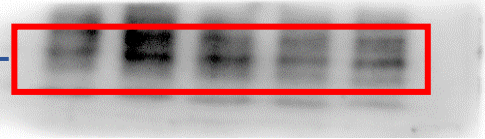


Actin (42 kDa)

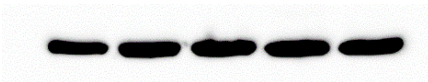


n4

IL-6 (23 kDa)



Actin (42 kDa)

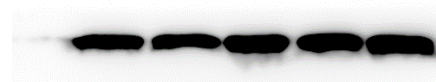


n5

IL-6 (23 kDa)

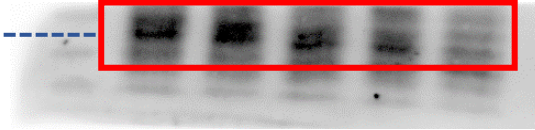


Actin (42 kDa)

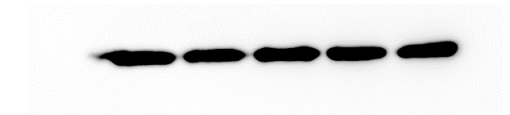


n6

IL-6 (23 kDa)



Actin (42 kDa)



MMP9 (91 kDa)

In figure 5

n1

**Representative band

n2

n3

MMP9 (91 kDa)

MMP9 (91 kDa)

MMP9 (91 kDa)

Actin (42 kDa)

Actin (42 kDa)

Actin (42 kDa)

n4

n5

n6

MMP9 (91 kDa)

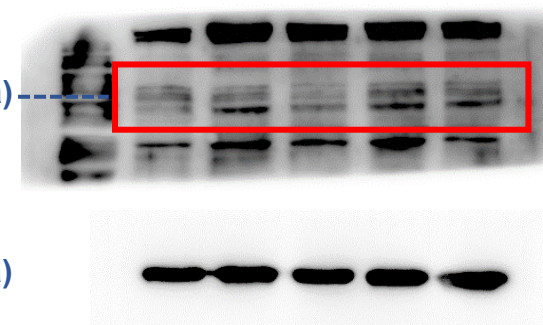
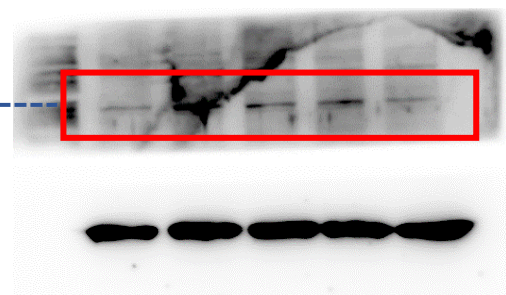
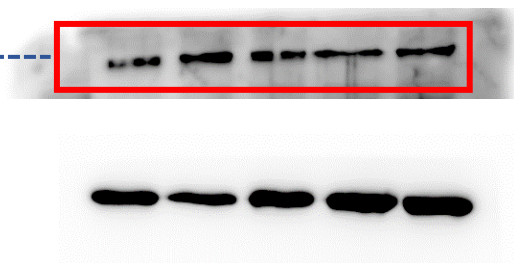
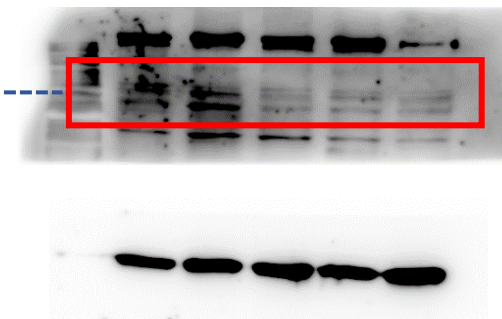
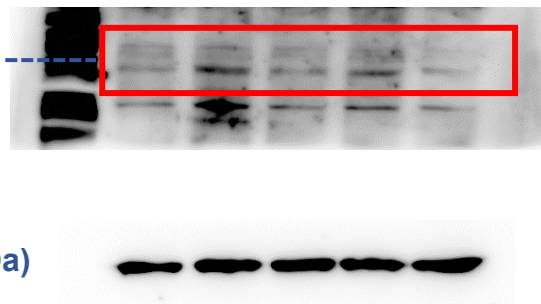
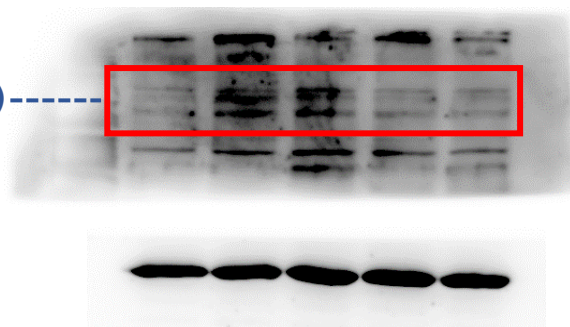
MMP9 (91 kDa)

MMP9 (91 kDa)

Actin (42 kDa)

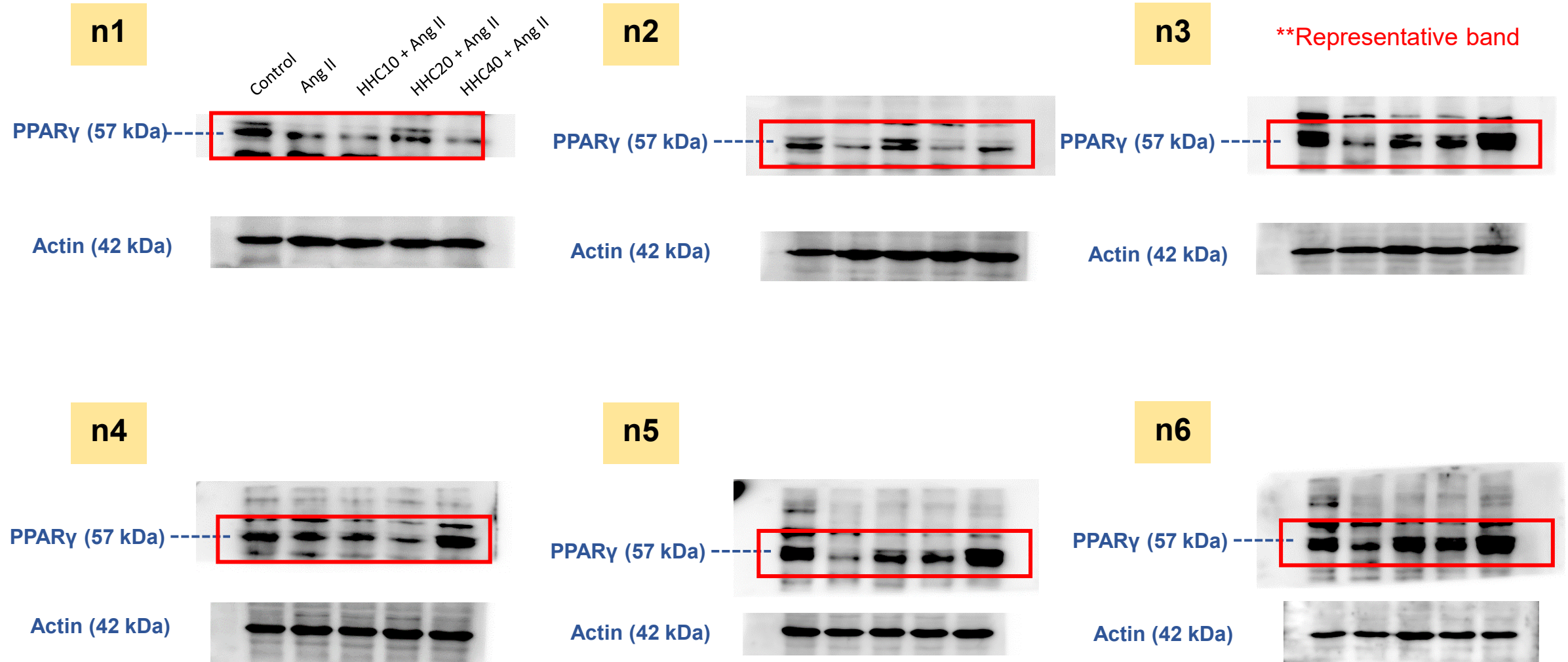
Actin (42 kDa)

Actin (42 kDa)



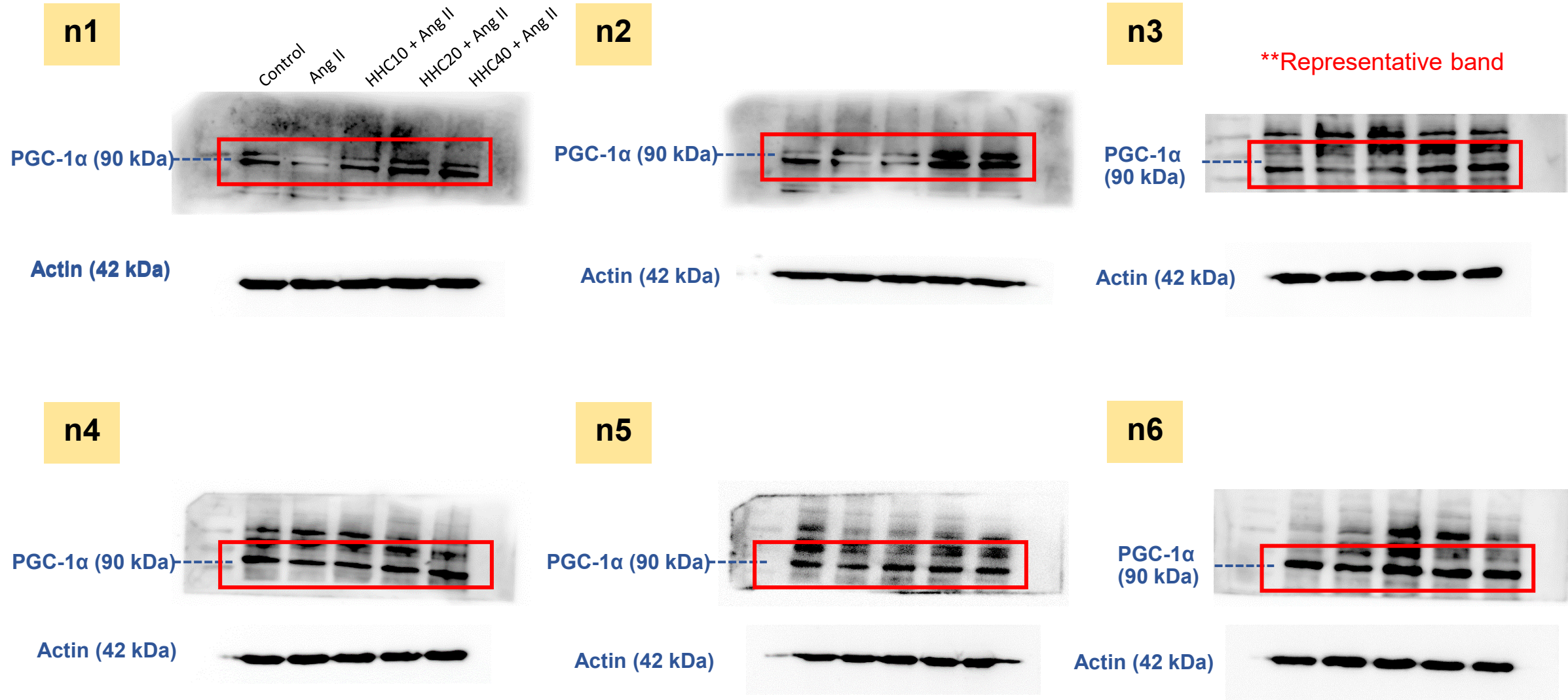
PPAR γ (57 kDa)

In figure 6



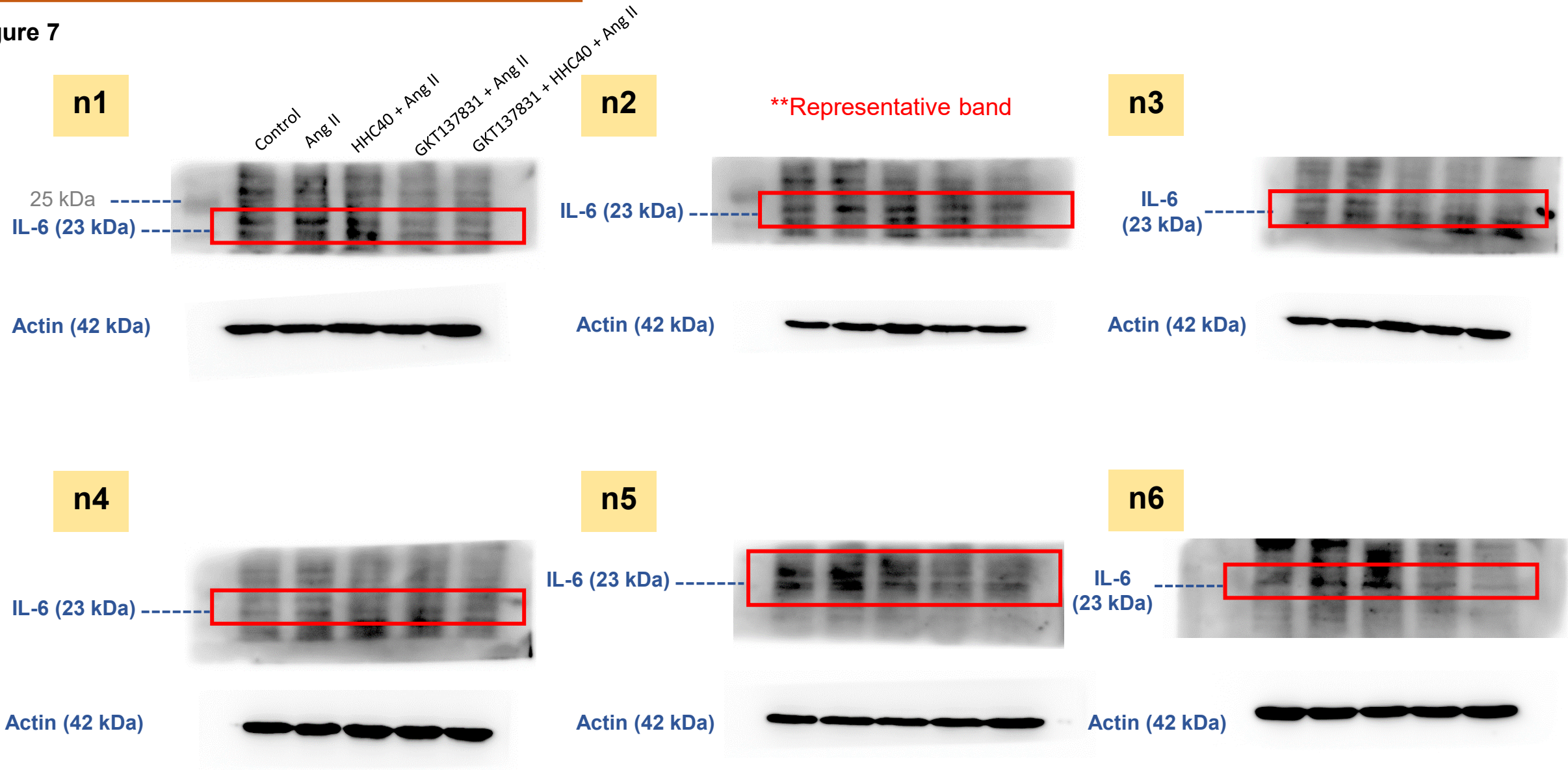
PGC-1 α (90 kDa)

In figure 6



IL-6 (23 kDa)

In figure 7



MMP9 (91 kDa)

In figure 7

n1

**Representative band

n2

Control
Ang II
HHC40 + Ang II
GKT137831 + Ang II
GKT137831 + HHC40 + Ang II

n3

MMP9 (91 kDa)

MMP9 (91 kDa)

MMP9 (91 kDa)

Actin (42 kDa)

Actin (42 kDa)

Actin (42 kDa)

n4

n5

n6

MMP9 (91 kDa)

MMP9 (91 kDa)

MMP9 (91 kDa)

Actin (42 kDa)

Actin (42 kDa)

Actin (42 kDa)

