

## Supplementary Information

### Adaptation of human endothelial cells to physiological oxygen levels alters basal and nitric oxide-stimulated K<sup>+</sup> channel activity

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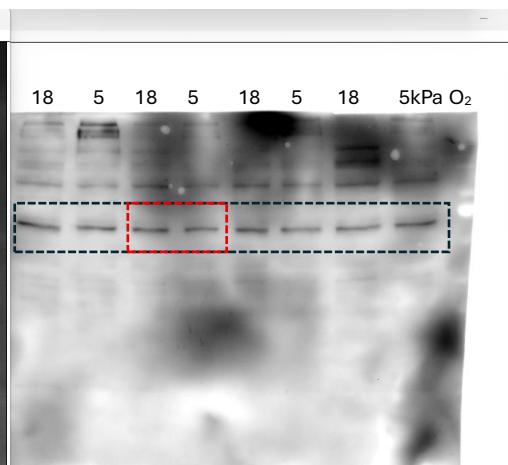
Figure 4 complete Western blot gels:

HUVEC

Kir6.1

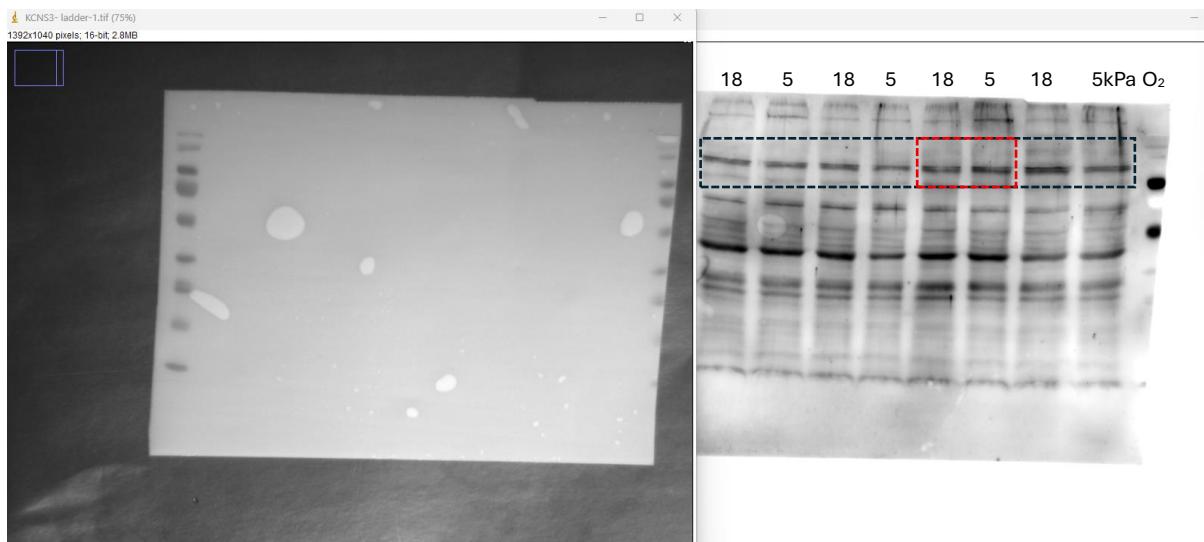


Cultures 1-4

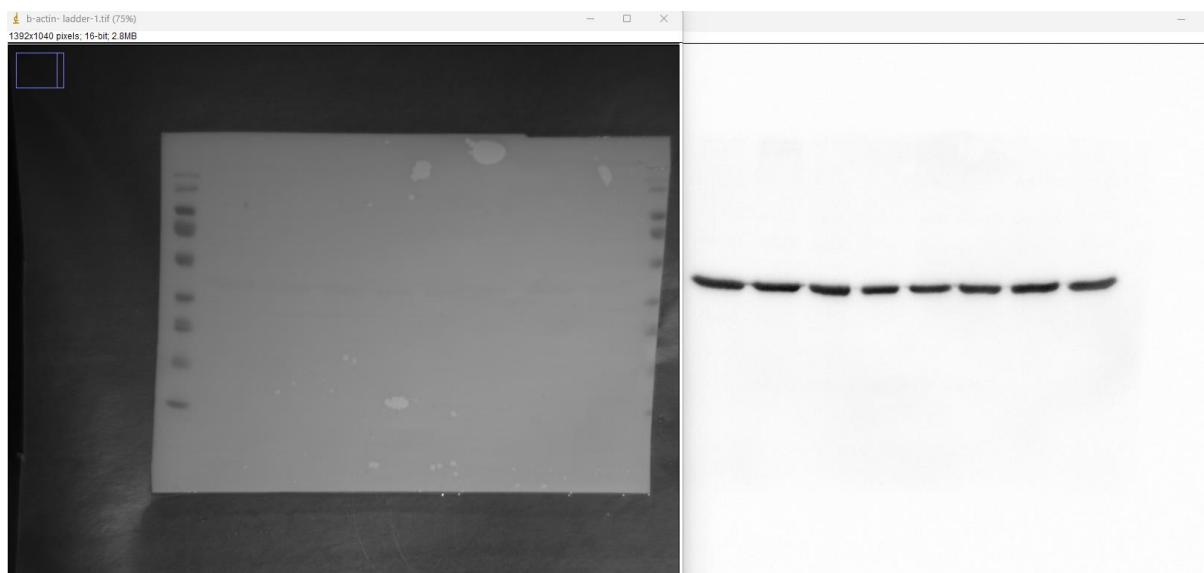


## KCa2.3

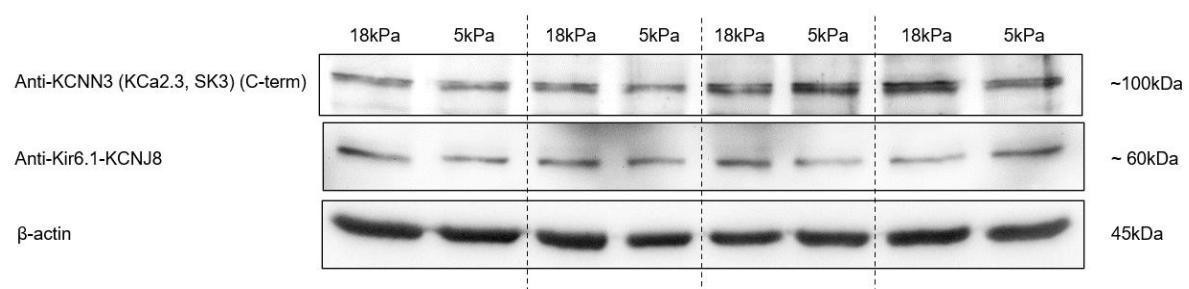
## Cultures 1-4



## β-actin



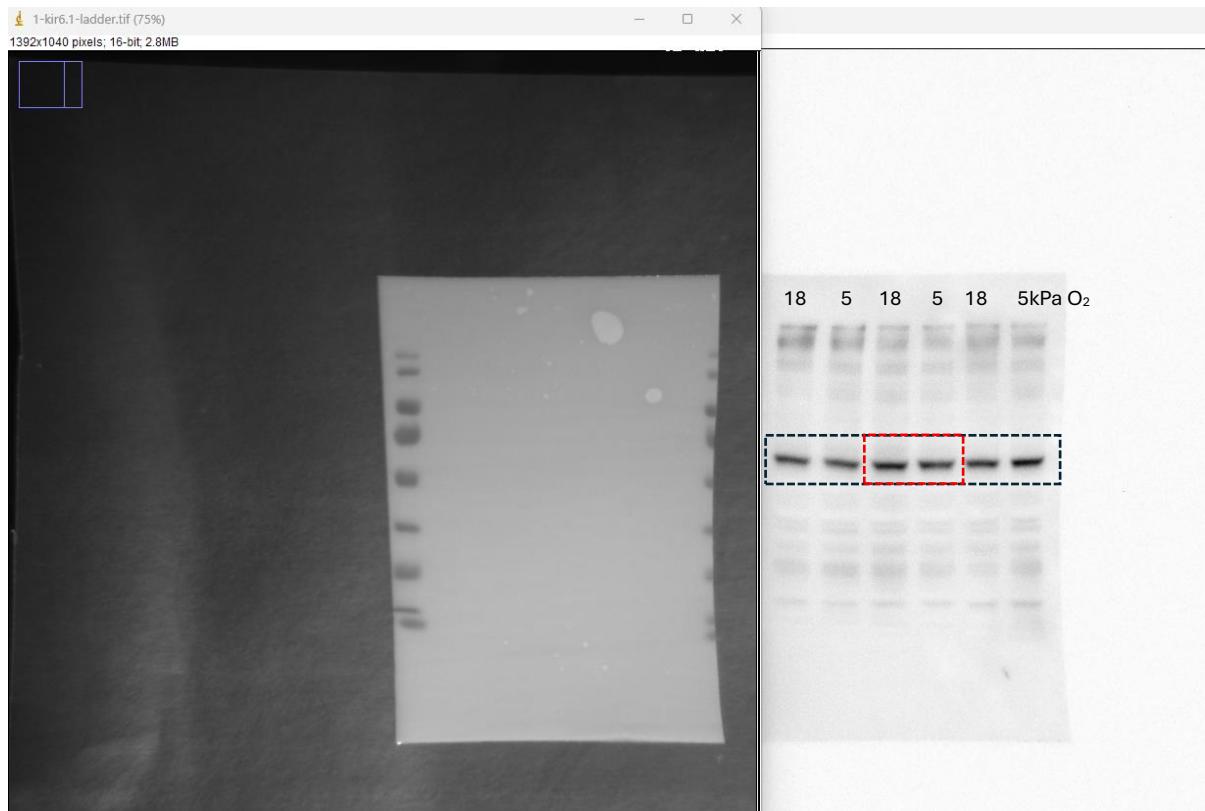
## HUVEC (Product Code: CCD-6000; N=4 different cultures)



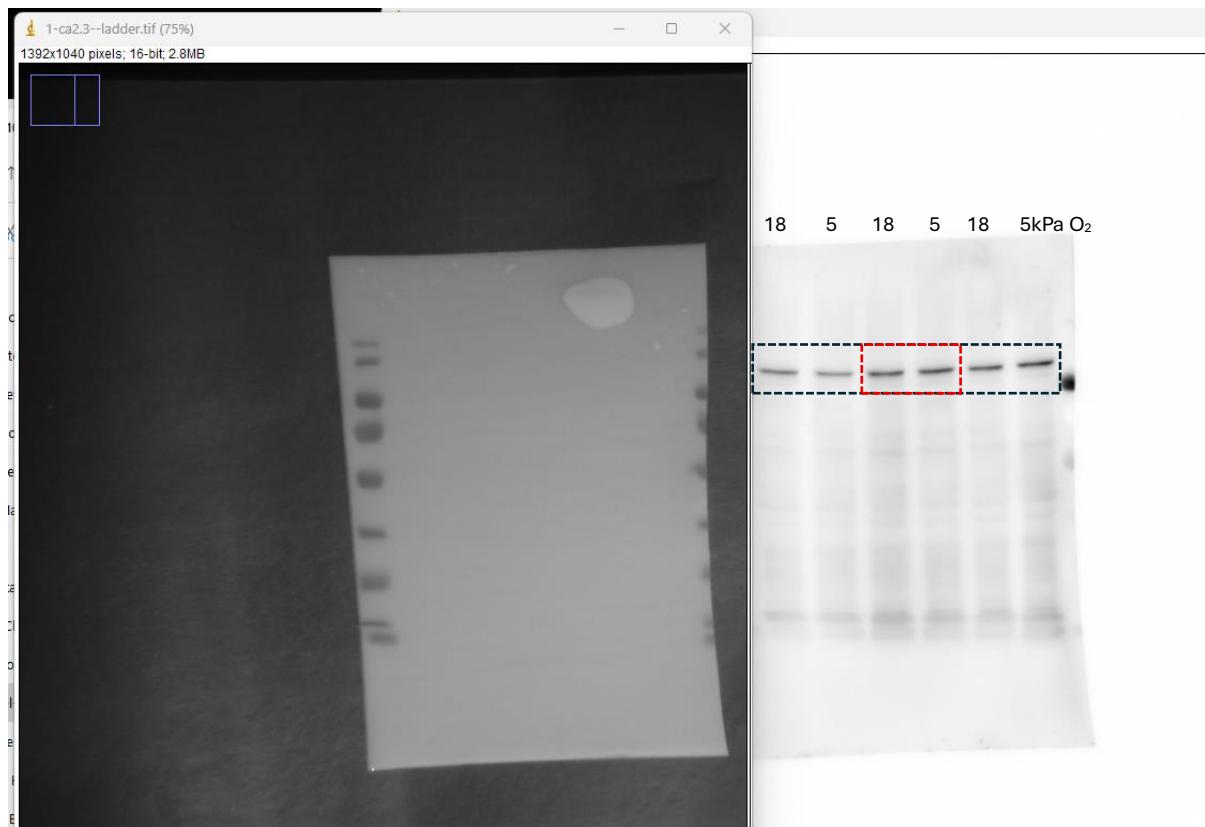
**Supp Fig 1a: Full gels of HUVEC WB shown in Fig 4.** Experiments were run in 4 independent cultures, lanes of immunostained proteins used for analysis are highlighted in dark dotted box with examples extracted for Fig 4 shown in red dotted box.

## hCMEC/D3

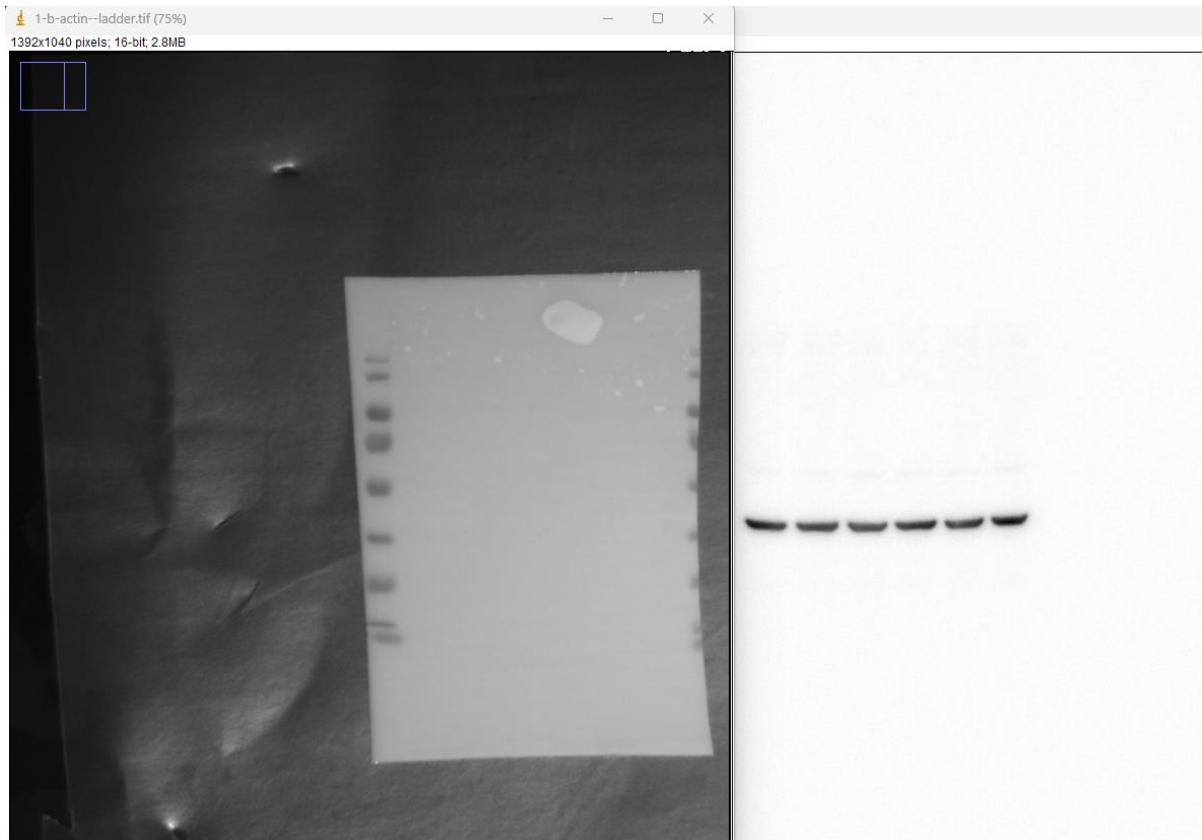
### Kir6.1



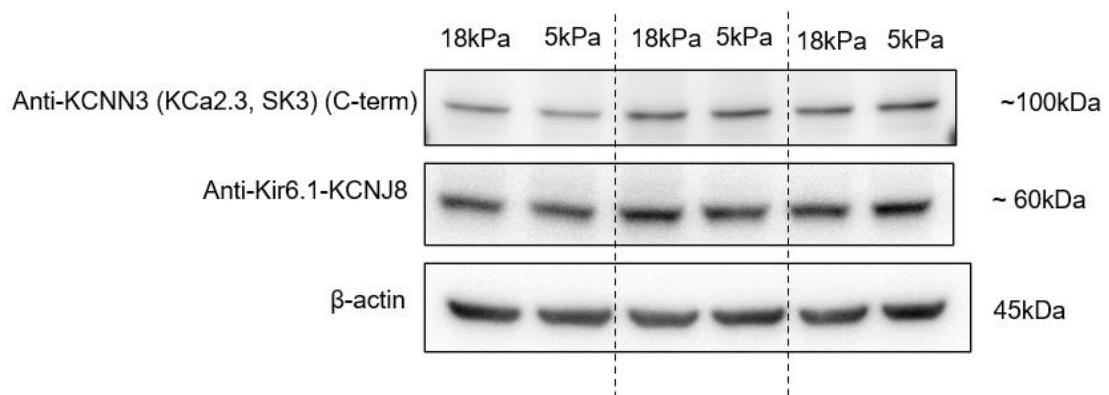
### KCa2.3



$\beta$ -actin



**D3 (N=3 different cultures).04.12.2024**



**Supp Fig 1b: Full gels of hCMEC/D3 cell WB shown in Fig 4.** Experiments were run in 3 independent cultures, lanes of immunostained proteins used for analysis are highlighted in dark dotted box with examples extracted for Fig 4 shown in red dotted box.

## Antibody details:

**Anti-KCNN3 (KC<sub>a</sub>2.3, SK3) (C-term) Antibody- Alomone Labs APC-103**  
[https://www.alomone.com/p/anti-kca2-3-sk3-c-term/APC-103?srstid=AfmBOorba-bC\\_90e0rghvz3Ks01TaVl9RNNmTfdquoCgiuyzlTYQzf2m](https://www.alomone.com/p/anti-kca2-3-sk3-c-term/APC-103?srstid=AfmBOorba-bC_90e0rghvz3Ks01TaVl9RNNmTfdquoCgiuyzlTYQzf2m)

**Anti-K<sub>ir</sub>6.1 (KCNJ8) Antibody- Abcam S366-60**  
[https://www.alomone.com/p/anti-kir6-1/APC-105?gad\\_source=1&gclid=CjwKCAjw5qC2hB8EiwAvqa41nQUqJl\\_QdLICZip4eeIpz68ixFT\\_5rnKQw90V\\_1drvLgRQrnFvamxoC8yQQAvD\\_BwE](https://www.alomone.com/p/anti-kir6-1/APC-105?gad_source=1&gclid=CjwKCAjw5qC2hB8EiwAvqa41nQUqJl_QdLICZip4eeIpz68ixFT_5rnKQw90V_1drvLgRQrnFvamxoC8yQQAvD_BwE)  
<https://www.abcam.com/en-us/products/primary-antibodies/kir61-kcnj8-antibody-s366-60-ab241996#>

**Mouse Anti-KCNN4 (K3.1, SK4) (extracellular) Antibody- Alomone Labs APC- 051**  
[https://www.alomone.com/p/anti-kca3-1-sk4-extracellular/ALM-051?srstid=AfmBOooj3hps\\_jataFO4tl3OOPKihulekzkipf3trW9O-JAbi974CvA](https://www.alomone.com/p/anti-kca3-1-sk4-extracellular/ALM-051?srstid=AfmBOooj3hps_jataFO4tl3OOPKihulekzkipf3trW9O-JAbi974CvA)

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