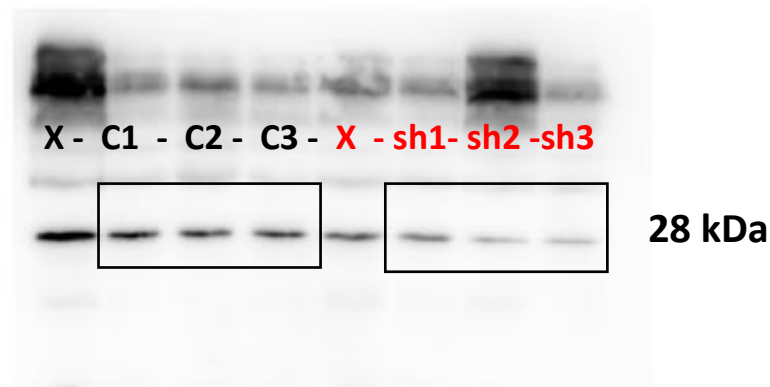


**Figure 1 mitochondrial AQP8**

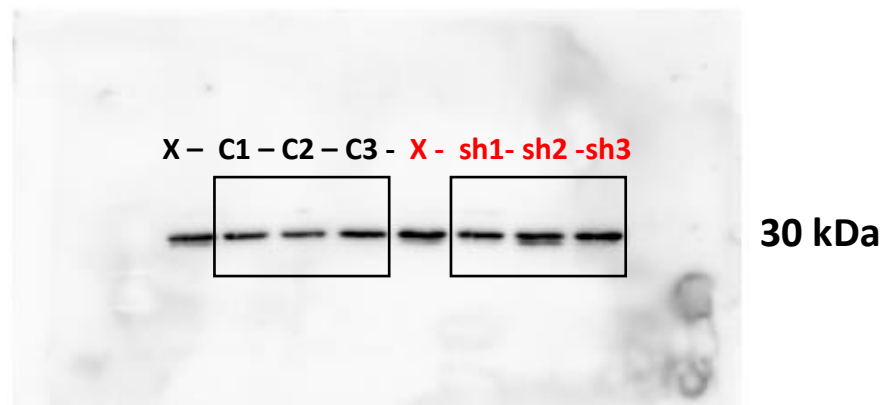
C= control

Sh=short hairpin targeting AQP8  
(AdAQP8sh)

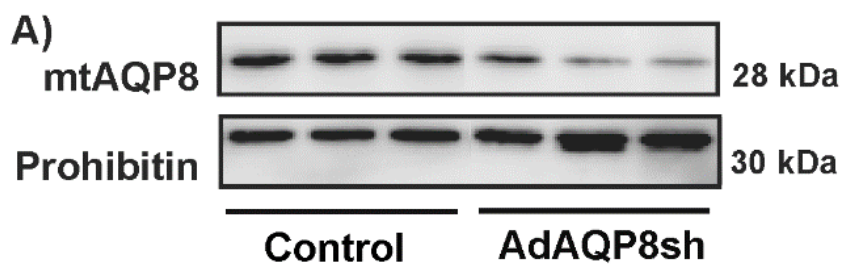
**TIFF AQP8**



**TIFF Prohibitin**



*Bands depicted with a "X" were not included in the Figures.*

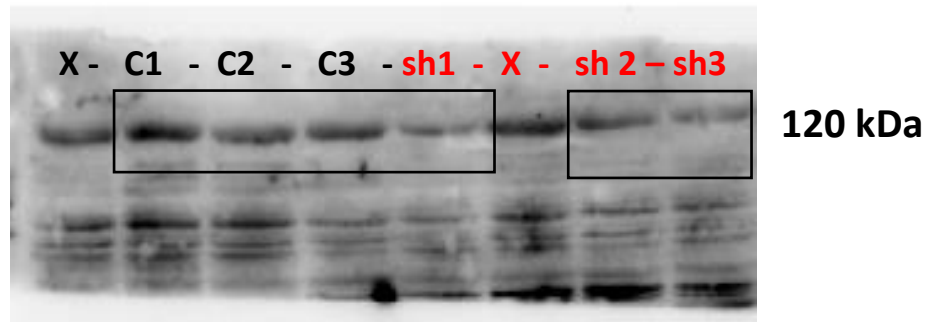


**Figure 2 SREBP-2 total lysate**

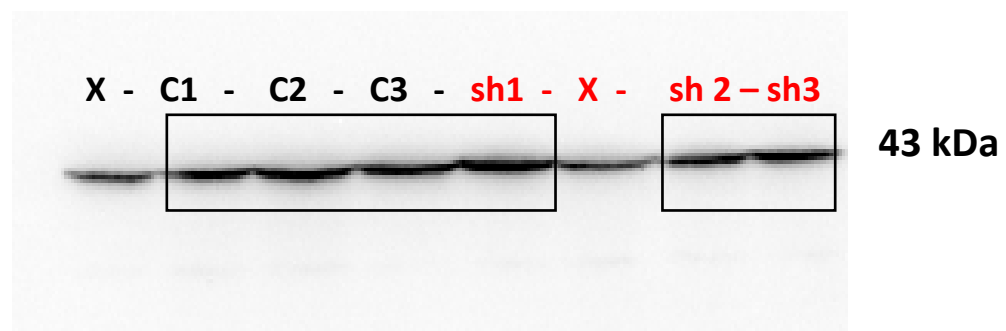
C= control

Sh=short hairpin targeting AQP8  
(AdAQP8sh)

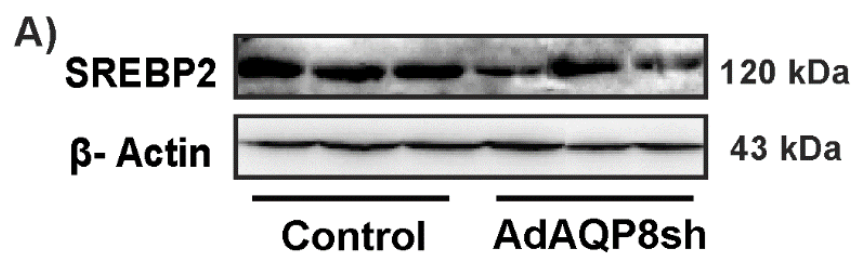
**TIFF SREBP-2**



**TIFF Actin**



*Bands depicted with a "x" were not included in the Figures.*

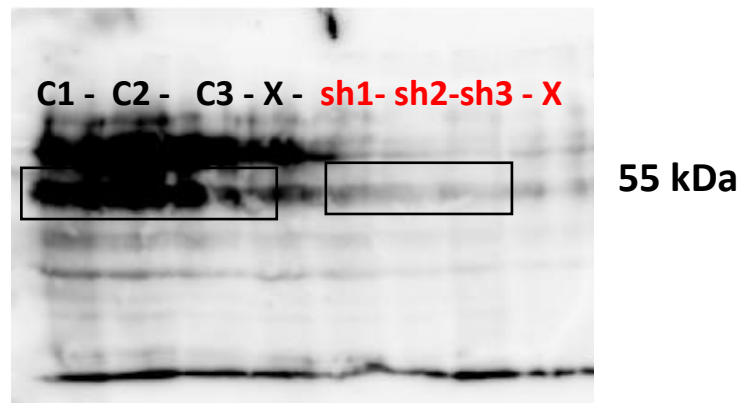


**Figure 2 LXR total lysate**

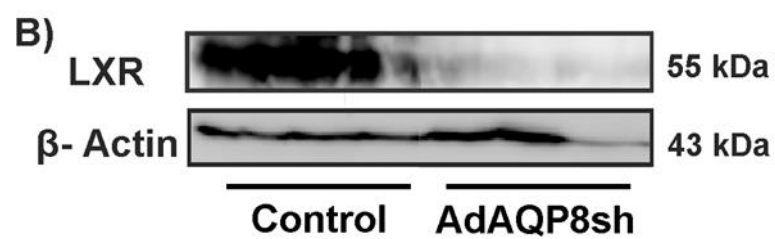
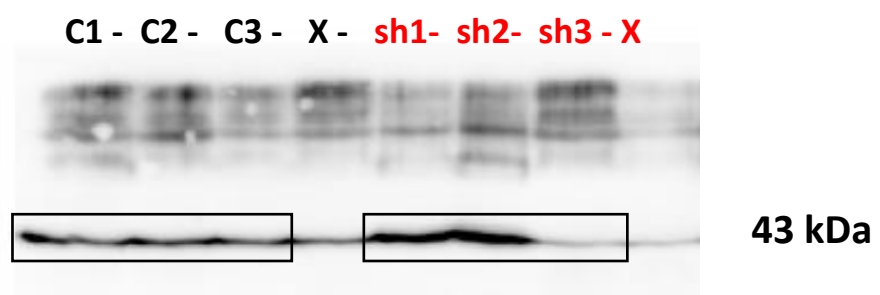
C= control

Sh=short hairpin targeting AQP8  
(AdAQP8sh)

**TIFF LXR**



**TIFF Actin**

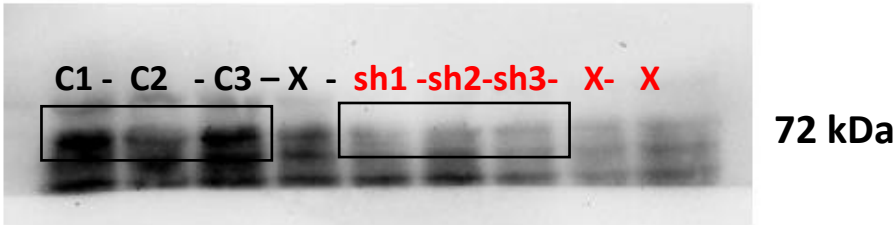


C= control

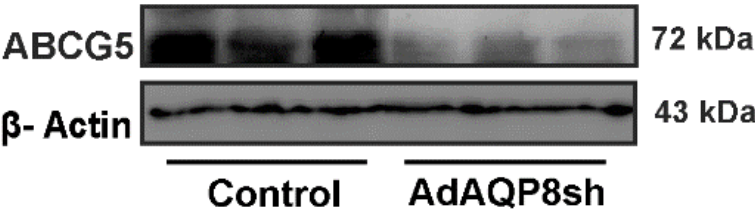
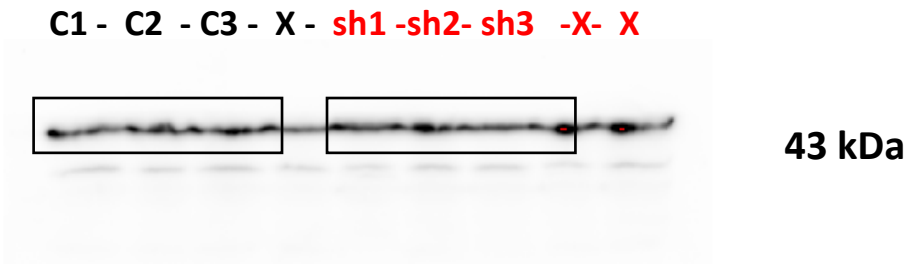
Sh=short hairpin targeting AQP8  
(AdAQP8sh)

Figure 3 ABCG5 total lysate

TIFF ABCG5



TIFF Actin

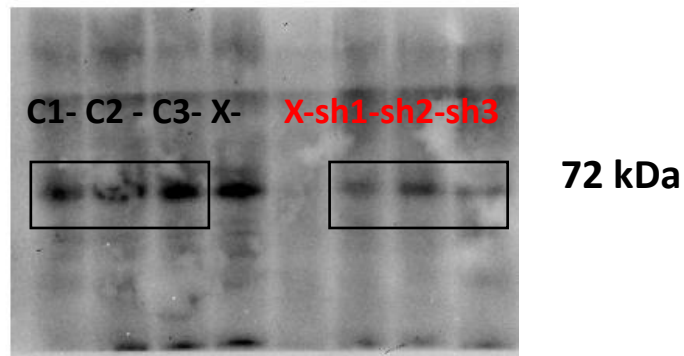


**Figure 3 ABCG5 canalicular membrane**

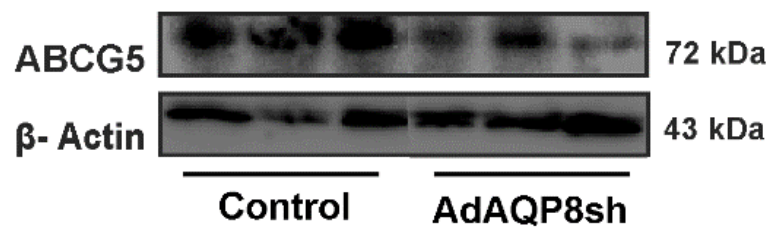
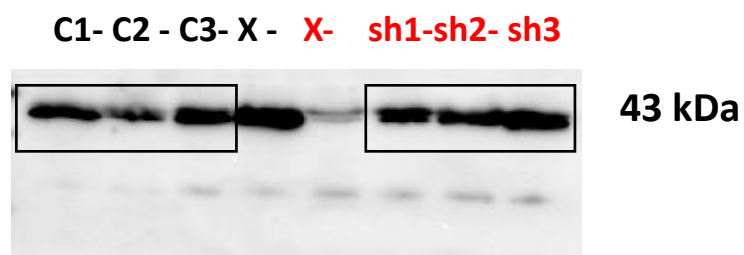
C= control

Sh=short hairpin targeting AQP8  
(AdAQP8sh)

**TIFF ABCG5**



**TIFF Actin**



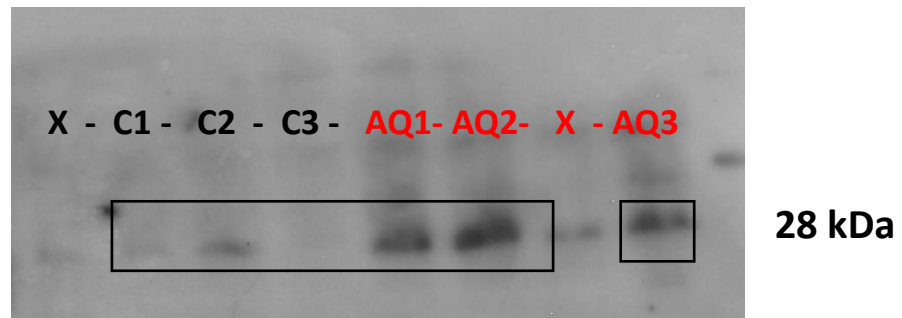
*Bands depicted with a "X" were not included in the Figures.*

**Figure 4 mitochondrial hAQP8**

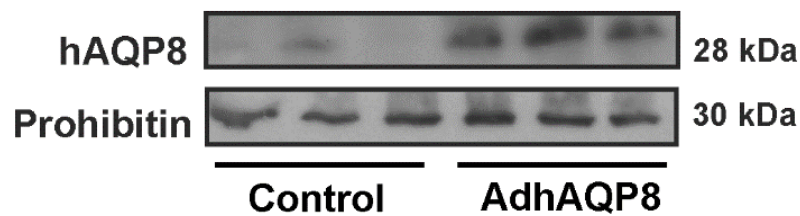
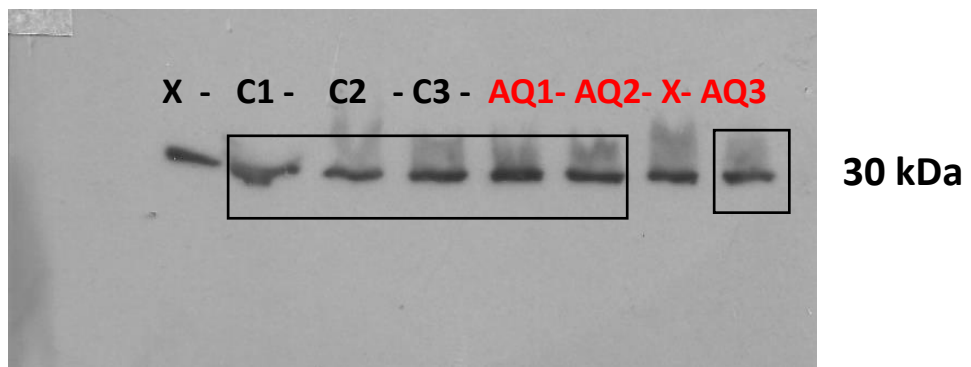
C= control

AQ= treated with adenovector expressing hAQP8 (AdhAQP8)

**TIFF hAQP8**



**TIFF PROHIBITIN**

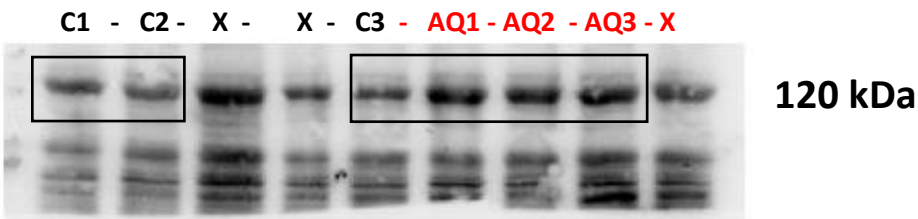


*Bands depicted with a "X" were not included in the Figures.*

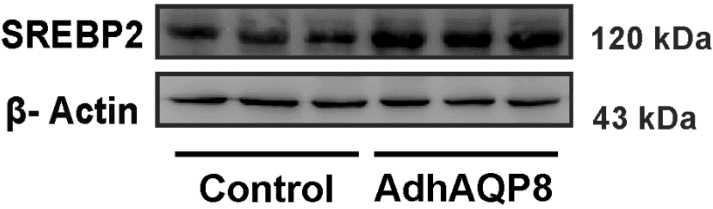
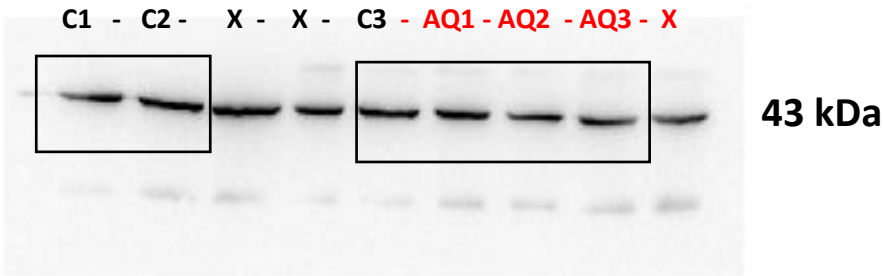
**Figure 5 SREBP-2 TOTAL LYSATE**

C= control  
AQ= treated with adenovector expressing hAQP8 (AdhAQP8)

**TIFF SREBP-2**



**TIFF Actin**

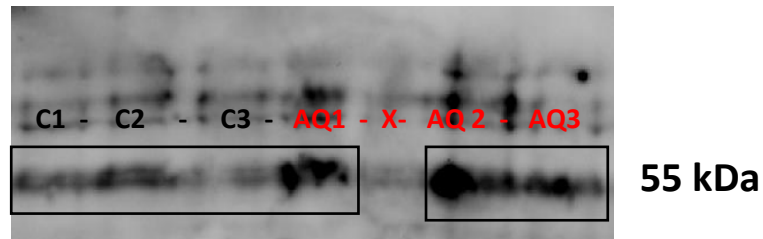


## Figure 5 LXR TOTAL LYSATE

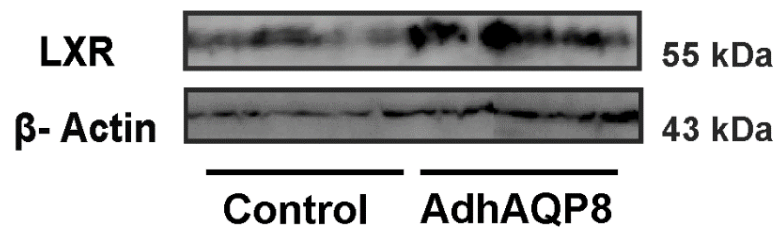
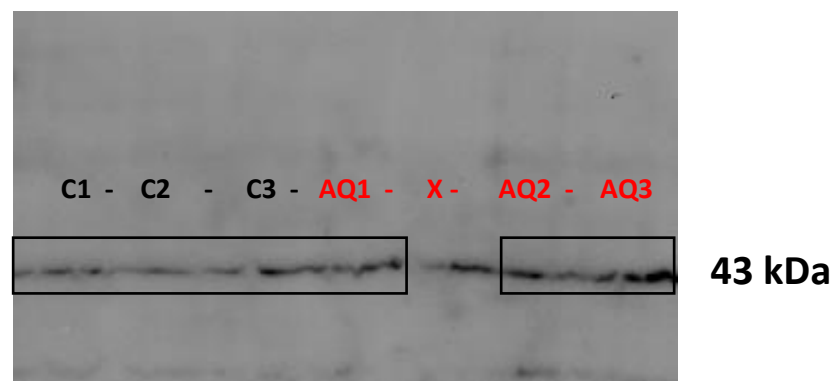
C= control

AQ= treated with adenovector expressing hAQP8 (AdhAQP8)

### TIFF LXR



### TIFF Actin



*Bands depicted with a "X" were not included in the Figures.*



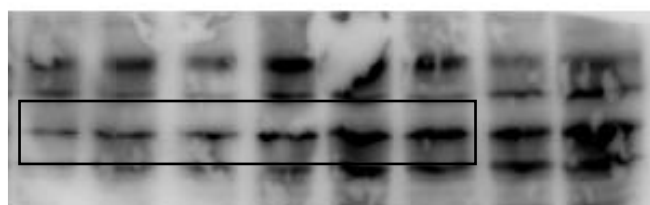
## Figure 6 ABCG5 TOTAL LYSATE

C= control

AQ= treated with adenovector expressing hAQP8 (AdhAQP8)

### TIFF ABCG5

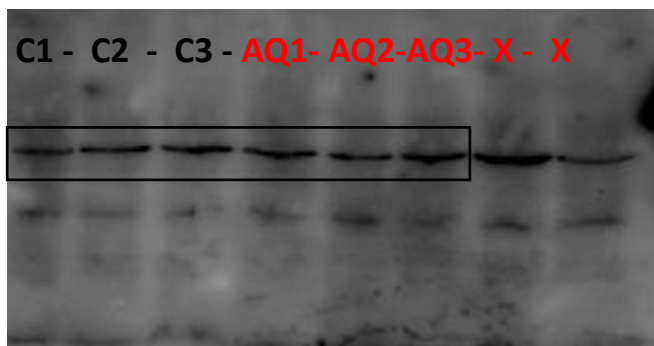
C1 - C2 - C3 - AQ1- AQ2-AQ3- X- X



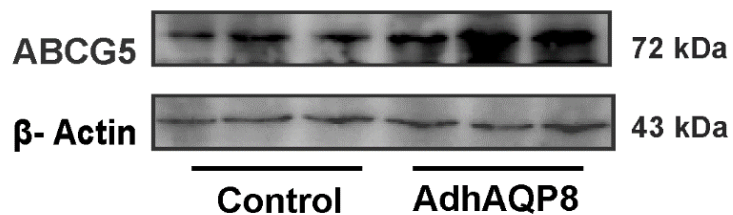
72 kDa

### TIFF Actin

C1 - C2 - C3 - AQ1- AQ2-AQ3- X - X



43 kDa

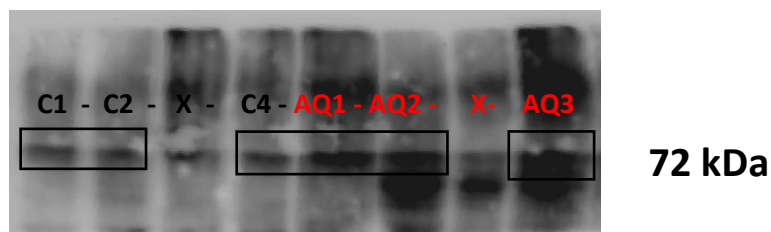


## Figure 6 ABCG5 canalicular membrane

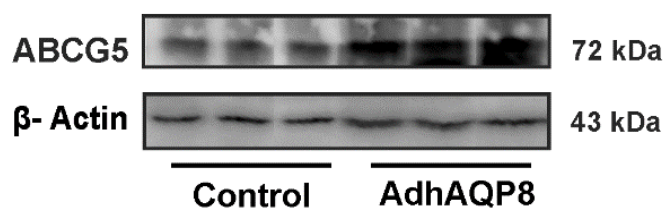
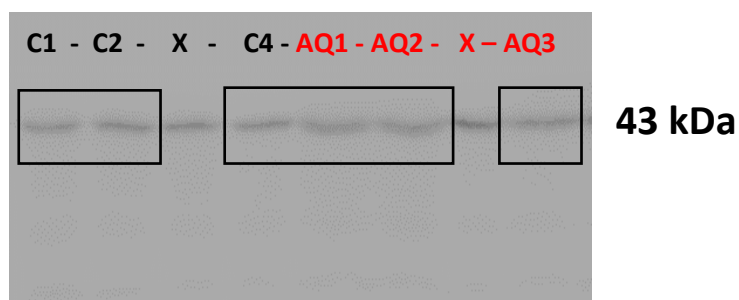
C= control

AQ= treated with adenovector  
expressing hAQP8 (AdhAQP8)

### TIFF ABCG5



### TIFF Actin



*Bands depicted with a "X" were not included in the Figures.*

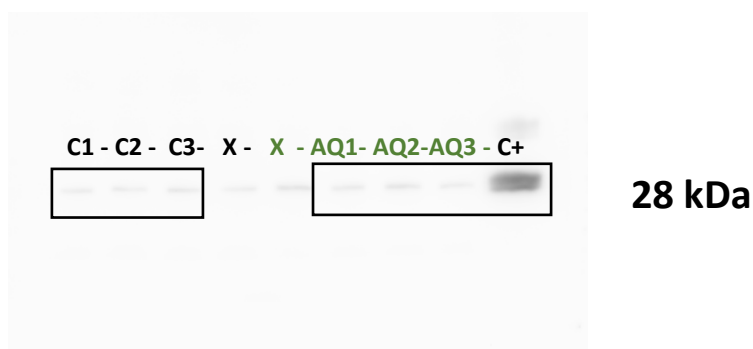
## Figure 7 mitochondrial hAQP1

C= control

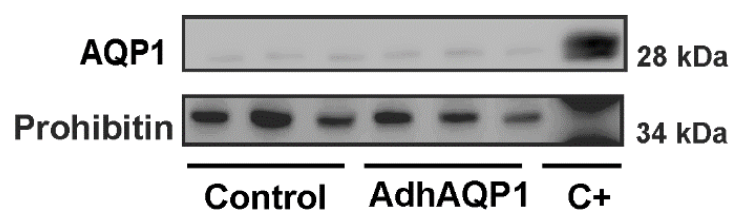
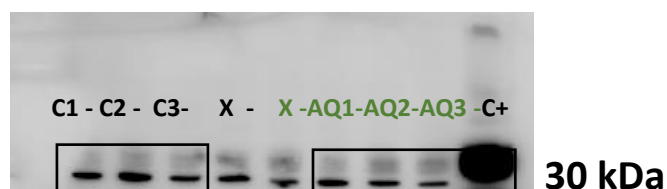
AQ= treated with adenovector expressing hAQP1 (AdhAQP1)

C+= positive control

### TIFF AQP1



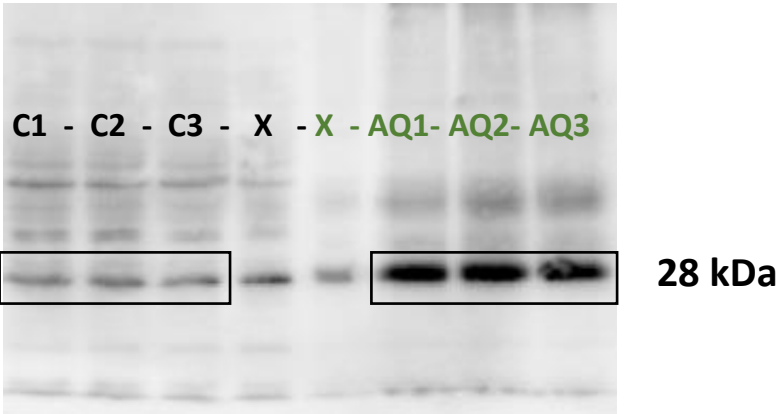
### TIFF Prohibitin



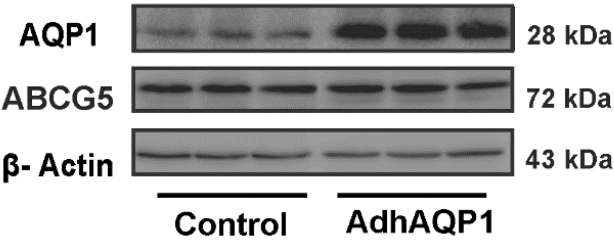
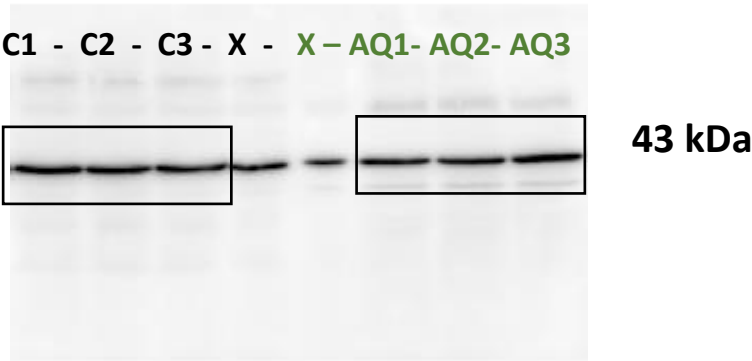
**Figure 7 hAQP1 TOTAL LYSATE**

C= control  
AQ= treated with adenovector  
expressing hAQP1 (AdhAQP1)

**TIFF AQP1**



**TIFF Actin**

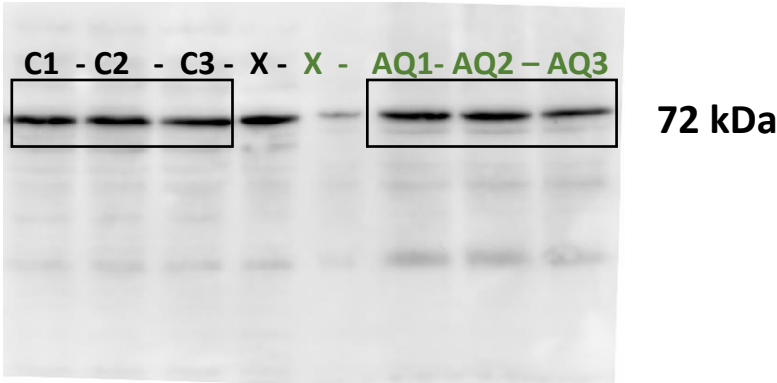


**Figure 7 hAQP1 TOTAL LYSATE**

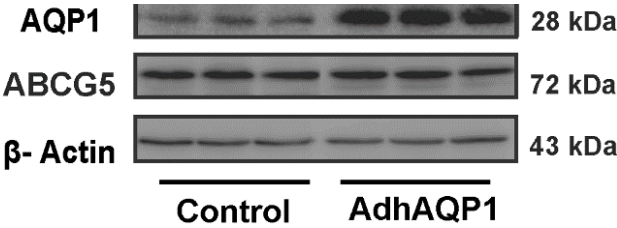
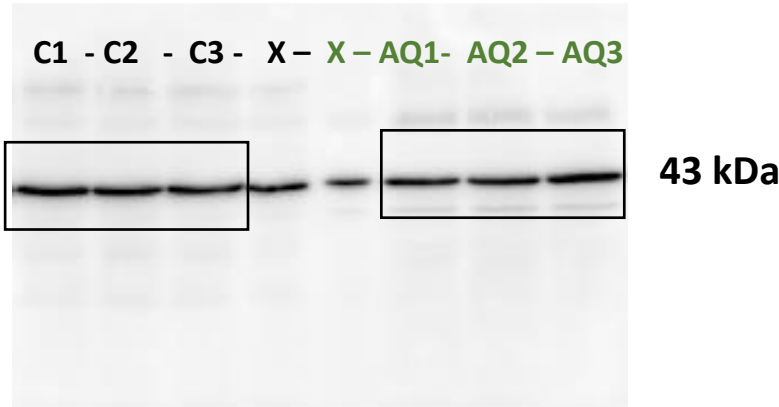
C= control

AQ= treated with adenovector  
expressing hAQP1 (AdhAQP1)

**TIFF ABCG5**



**TIFF Actin**



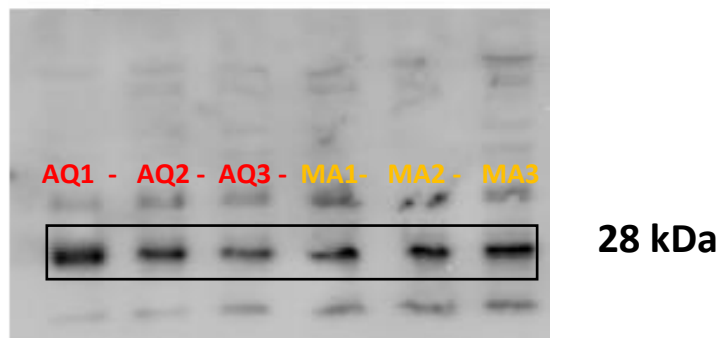
*Bands depicted with a "X" were not included in the Figures.*

## Figure 8 mitochondrial hAQP8

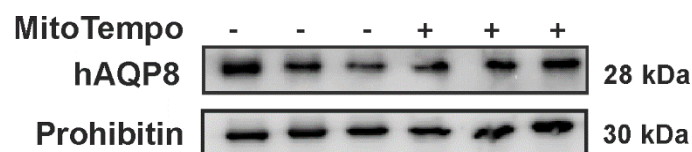
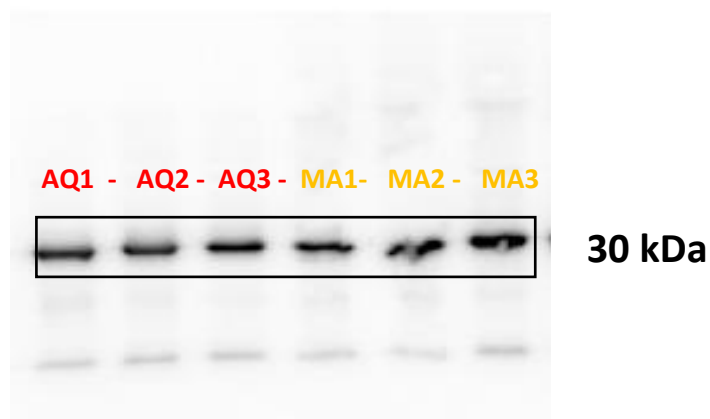
AQP= treated with adenovector expressing hAQP8 (AdhAQP8)

MA= treated with adenovector expressing hAQP8 (AdhAQP8) + mitotempo

### TIFF hAQP8



### TIFF Prohibitin



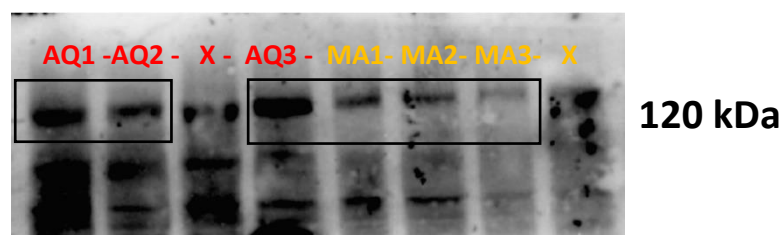
*Bands depicted with a "X" were not included in the Figures.*

## Figure 8 SREBP-2 TOTAL LYSATE

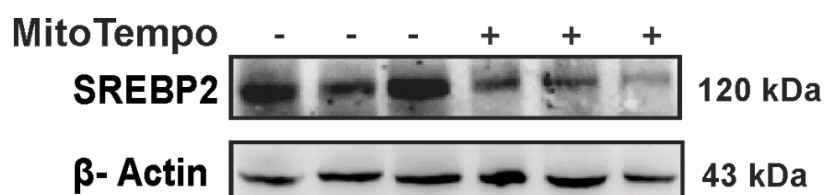
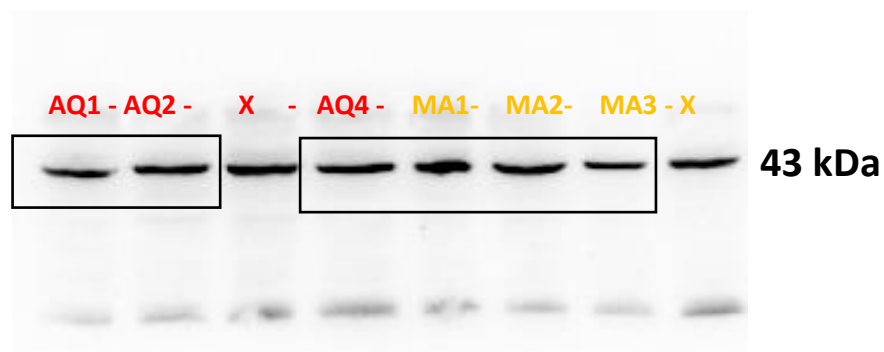
AQP= treated with adenovector expressing hAQP8 (AdhAQP8)

MA= treated with adenovector expressing hAQP8 (AdhAQP8) + mitotempo

### TIFF SREBP-2



### TIFF Actin



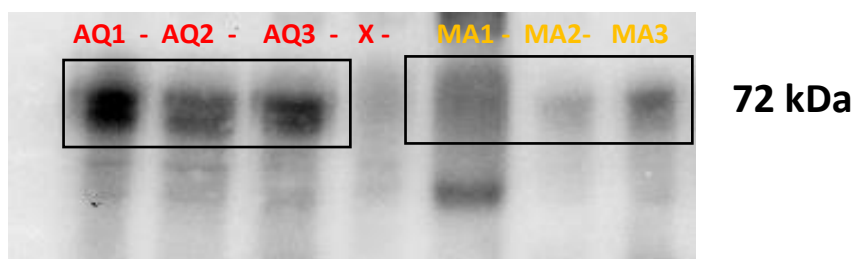
*Bands depicted with a "X" were not included in the Figures.*

**Figure 8 ABCG5 TOTAL LYSATE**

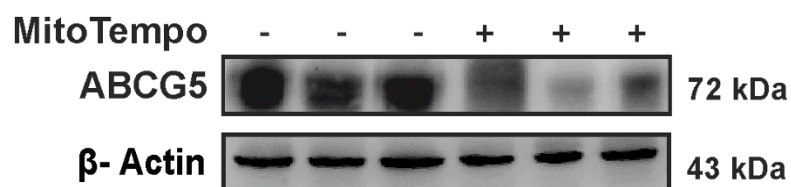
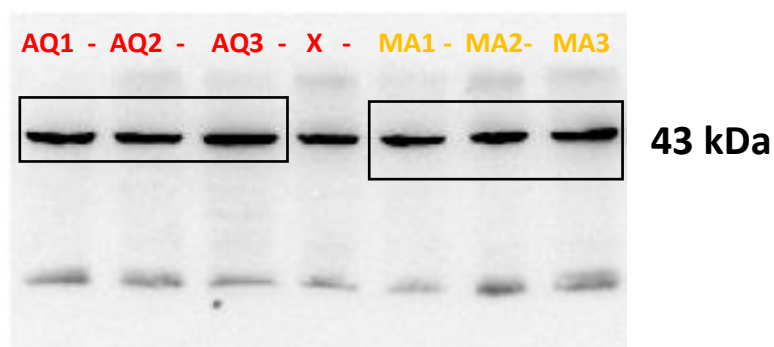
AQP= treated with adenovector expressing hAQP8 (AdhAQP8)

MA= treated with adenovector expressing hAQP8 (AdhAQP8) + mitotempo

**TIFF ABCG5**



**TIFF Actin**



*Bands depicted with a "X" were not included in the Figures.*