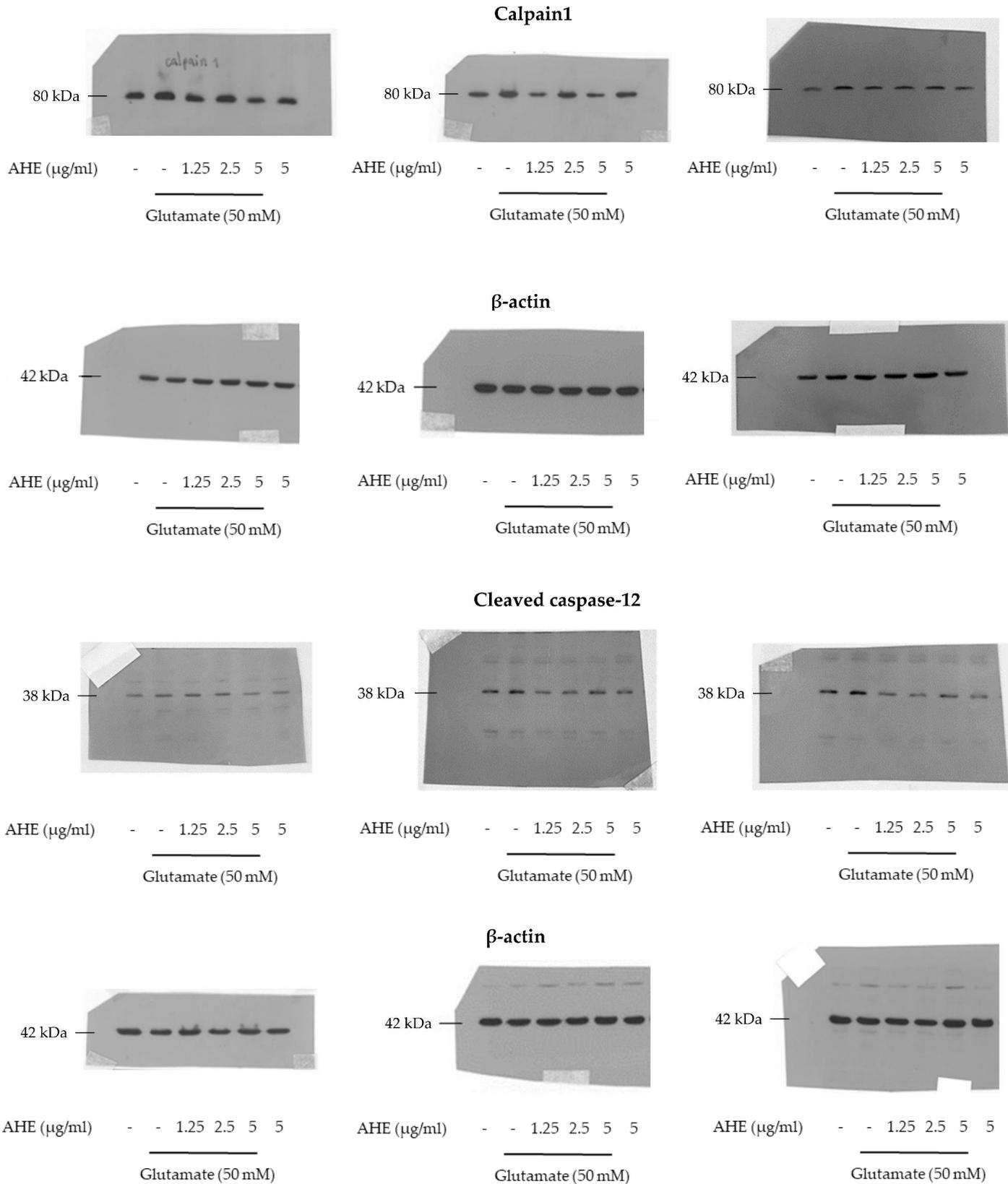


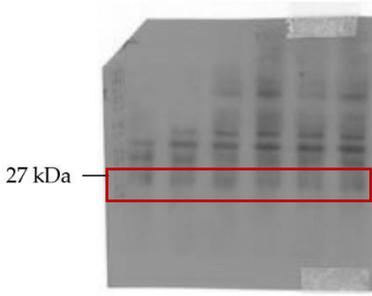
## Original Images for Blots/Gels

**Supplementary Figure S1.** Original photographs for the full-length blots at three independent experiments of each protein marker of Figure 3A.

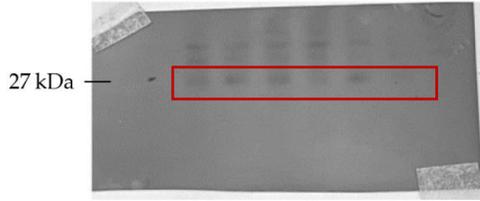
**Figure 3A**



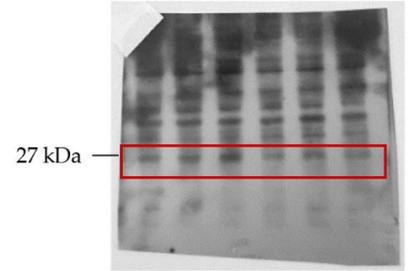
### CHOP



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

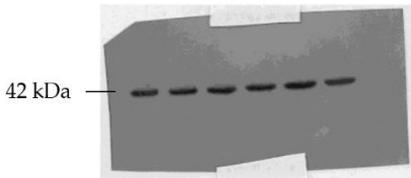


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

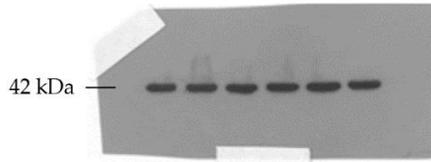


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

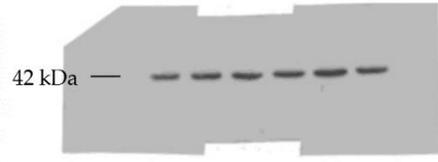
### $\beta$ -actin



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)



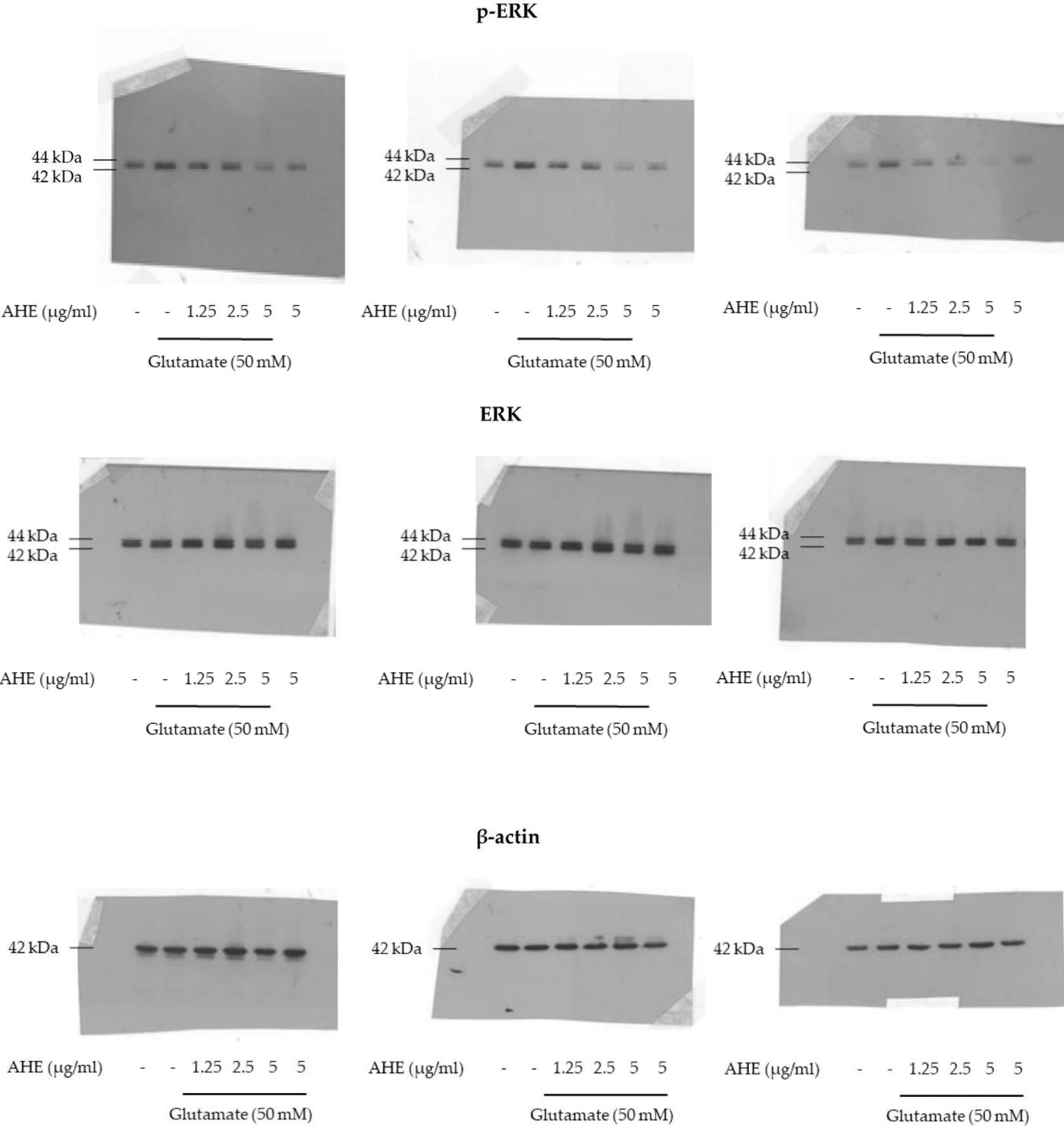
AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)



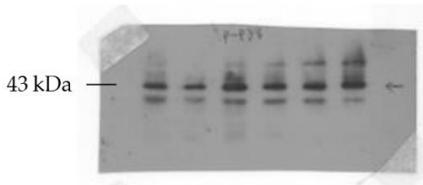
AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

**Supplementary Figure S2.** Original photographs for the full-length blots at three independent experiments of each protein marker of Figure 4A.

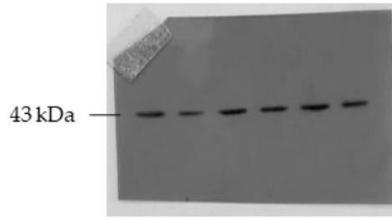
**Figure 4A**



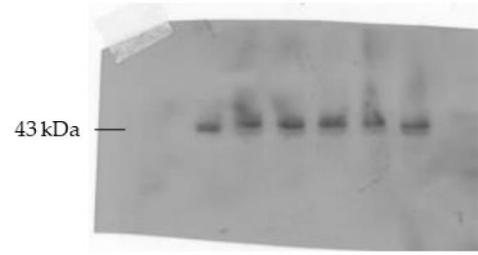
**p-p38**



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

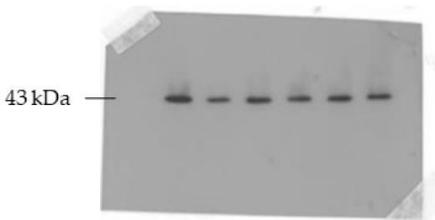


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

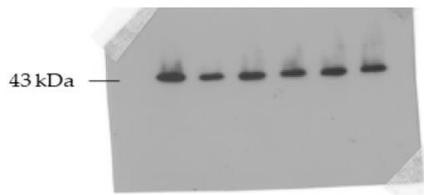


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

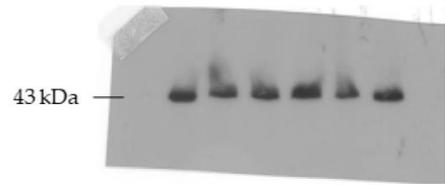
**p38**



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

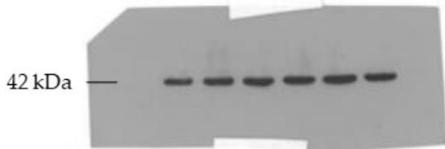


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

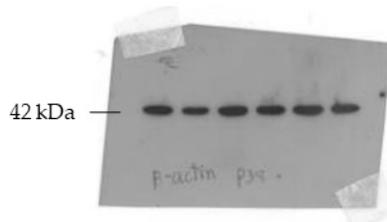


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

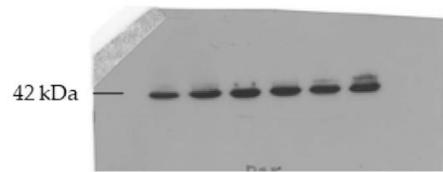
**$\beta$ -actin**



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

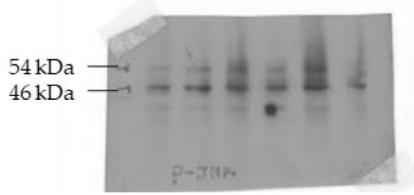


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

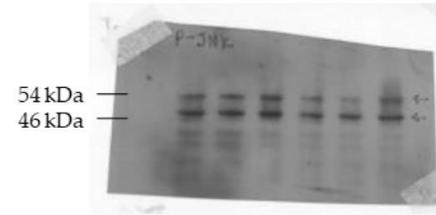
### P-JNK



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

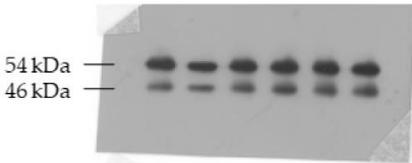


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

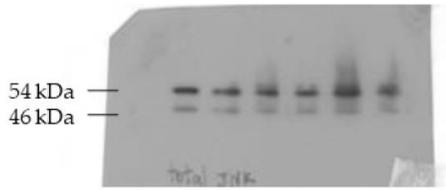


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

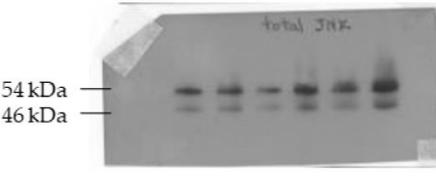
### JNK



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

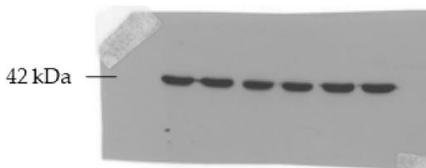


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

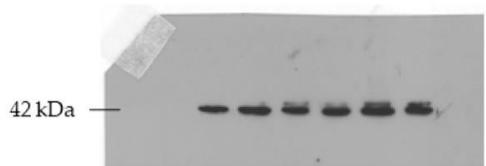


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

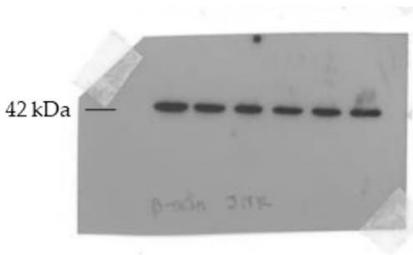
### $\beta$ -actin



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

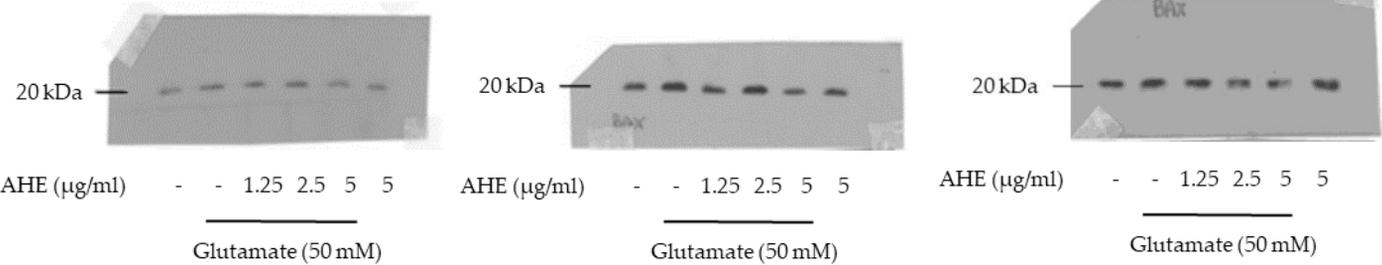


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

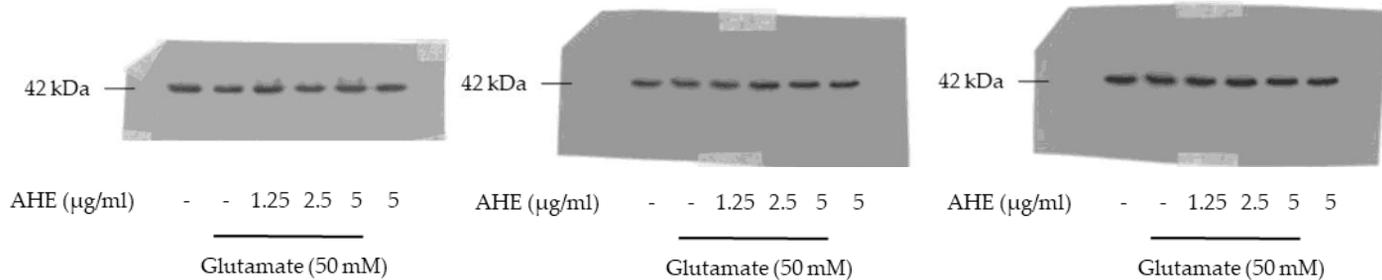
**Supplementary Figure S3.** Original photographs for the full-length blots at three independent experiments of each protein marker of Figure 5A.

**Figure 5A**

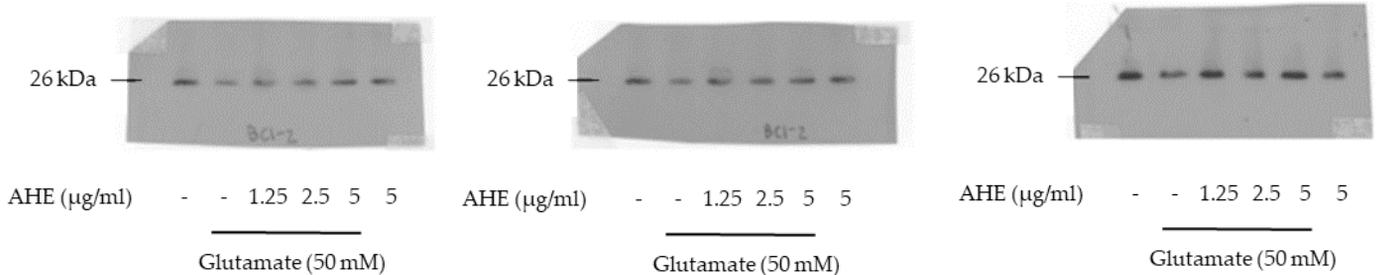
**BAX**



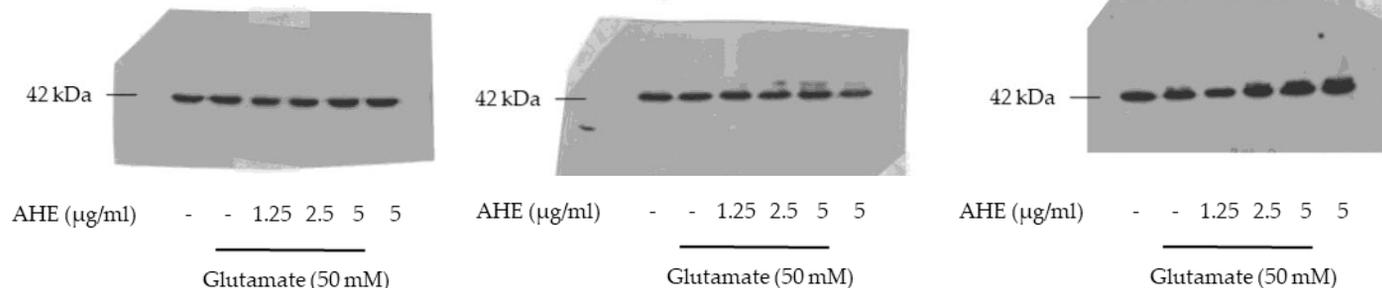
**$\beta$ -actin**



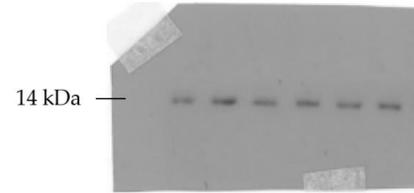
**Bcl-2**



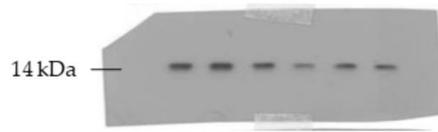
**$\beta$ -actin**



### Cytochrome c



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

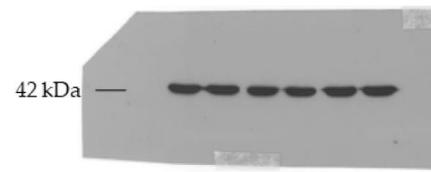


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

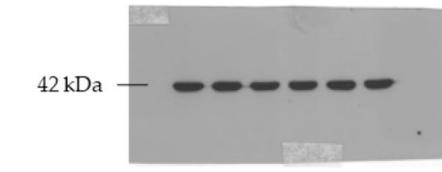


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

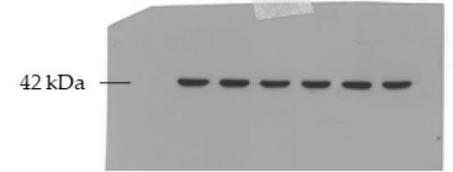
### $\beta$ -actin



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

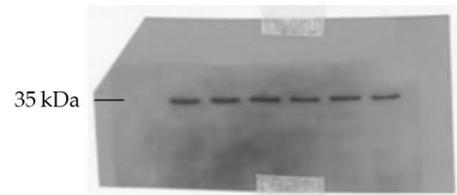


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

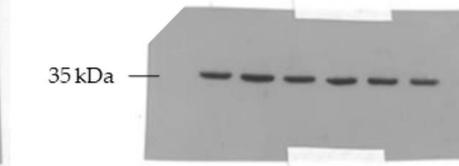


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

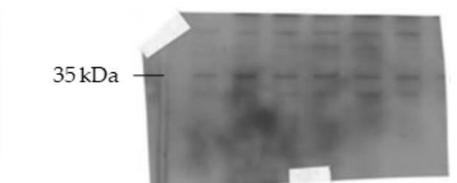
### Cleaved caspase-9



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

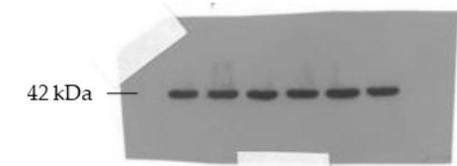


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

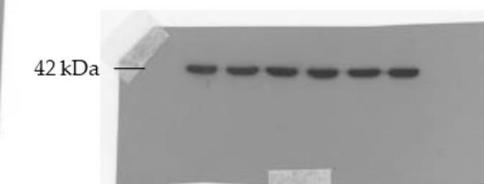


AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)

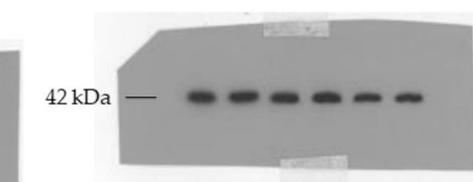
### $\beta$ -actin



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)



AHE ( $\mu\text{g/ml}$ ) - - 1.25 2.5 5 5  
Glutamate (50 mM)