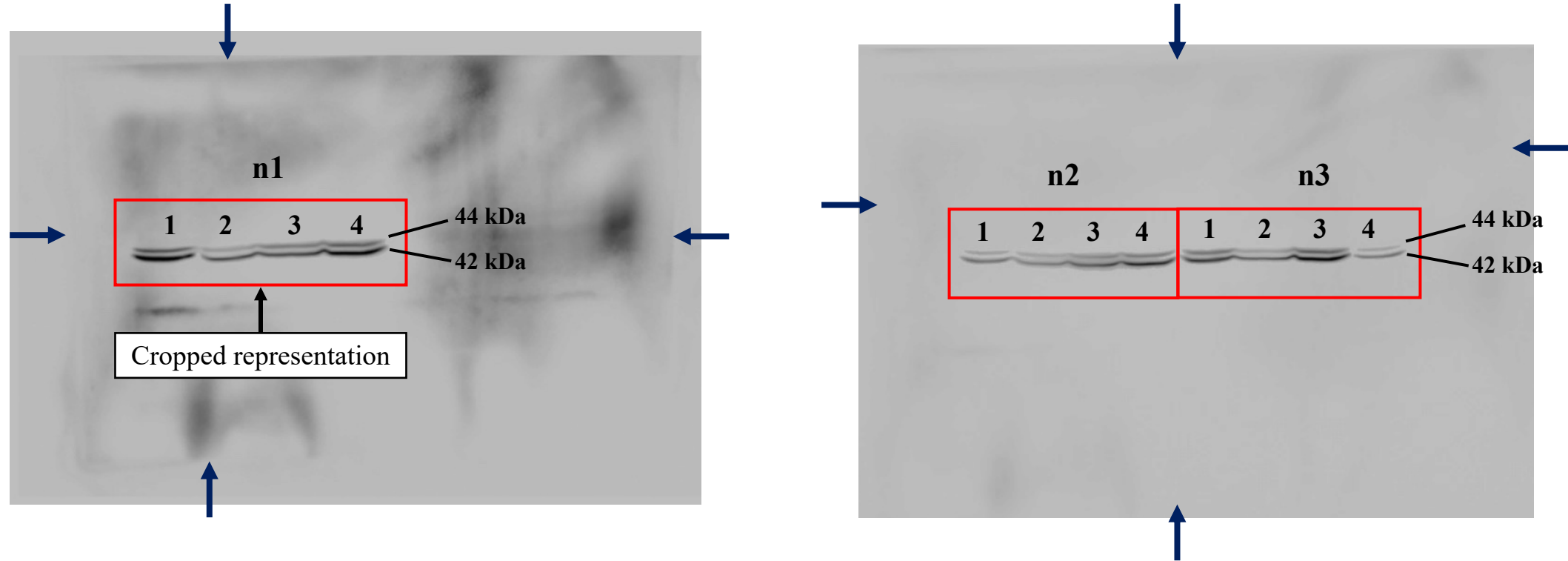
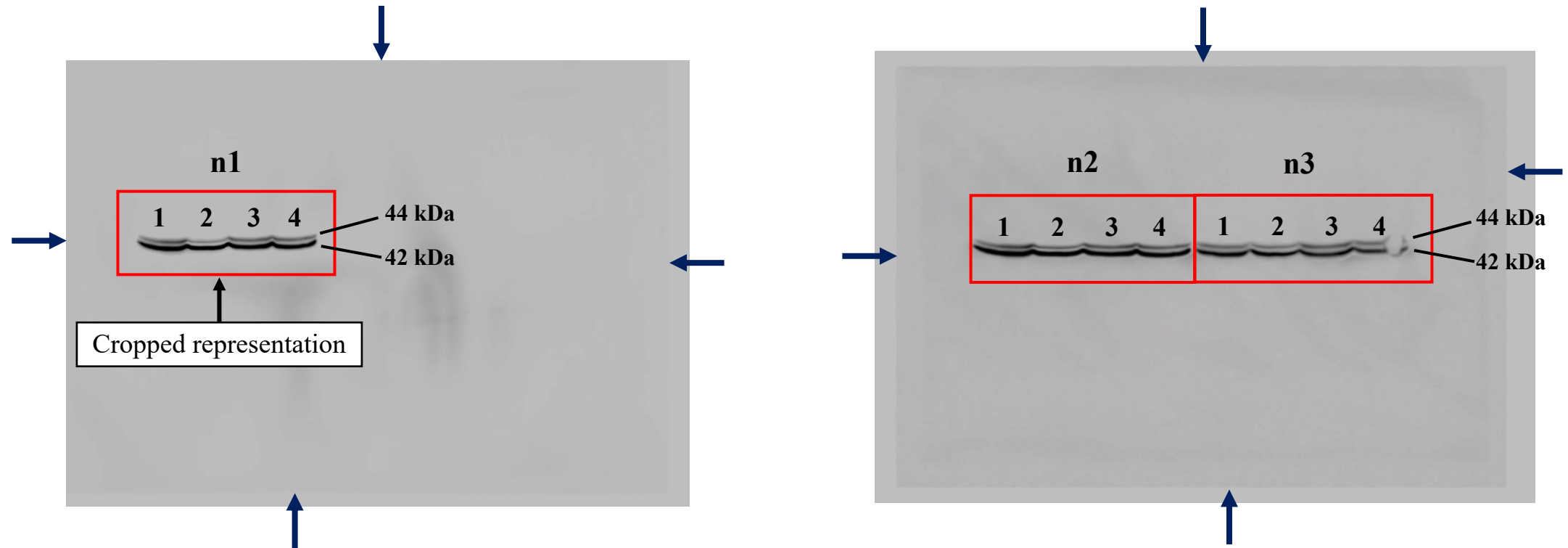


## Original Blot of p-ERK1/2 Expression



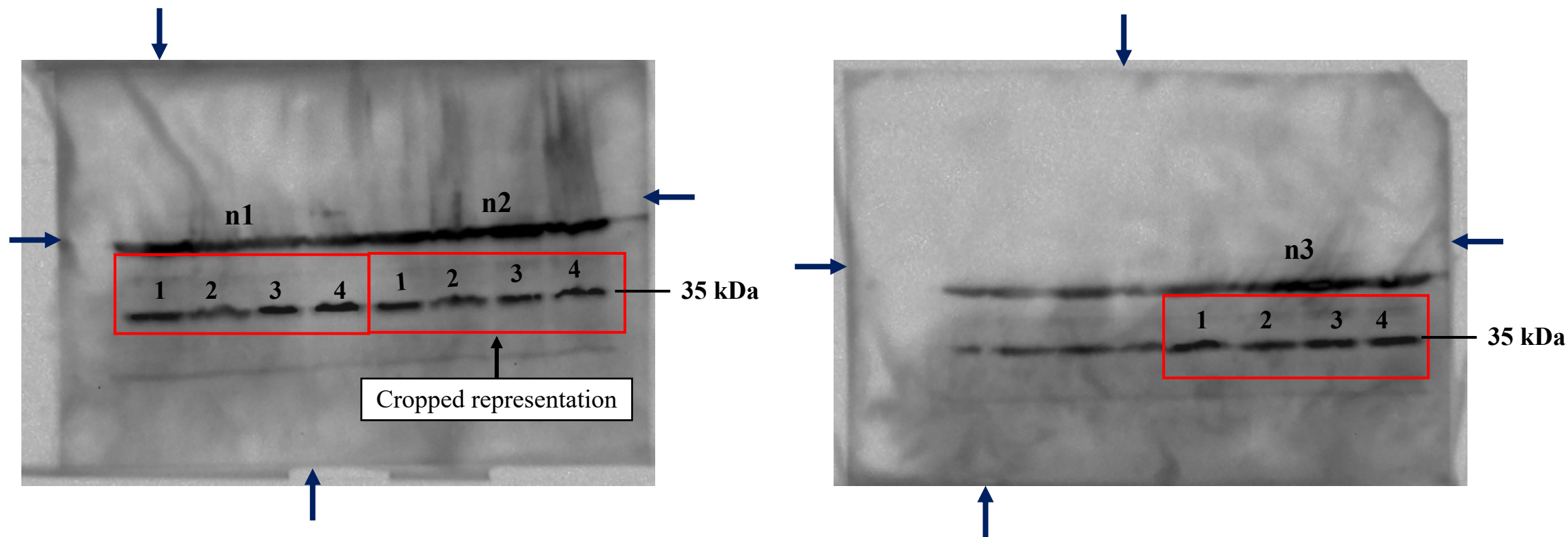
**Supplementary Figure 1:** Western blotting was used to detect the expression of p-ERK1/2 in SH-SY5Y cells induced by hydrogen peroxide toxicity. The groups included (1) naïve control, (2) H<sub>2</sub>O<sub>2</sub> + vehicle, (3) H<sub>2</sub>O<sub>2</sub> + AZC low dose, and (4) H<sub>2</sub>O<sub>2</sub> + AZC high dose. The full-length membranes are shown, with membrane edges indicated by the dark blue arrows.

## Original Blot of ERK1/2 Expression



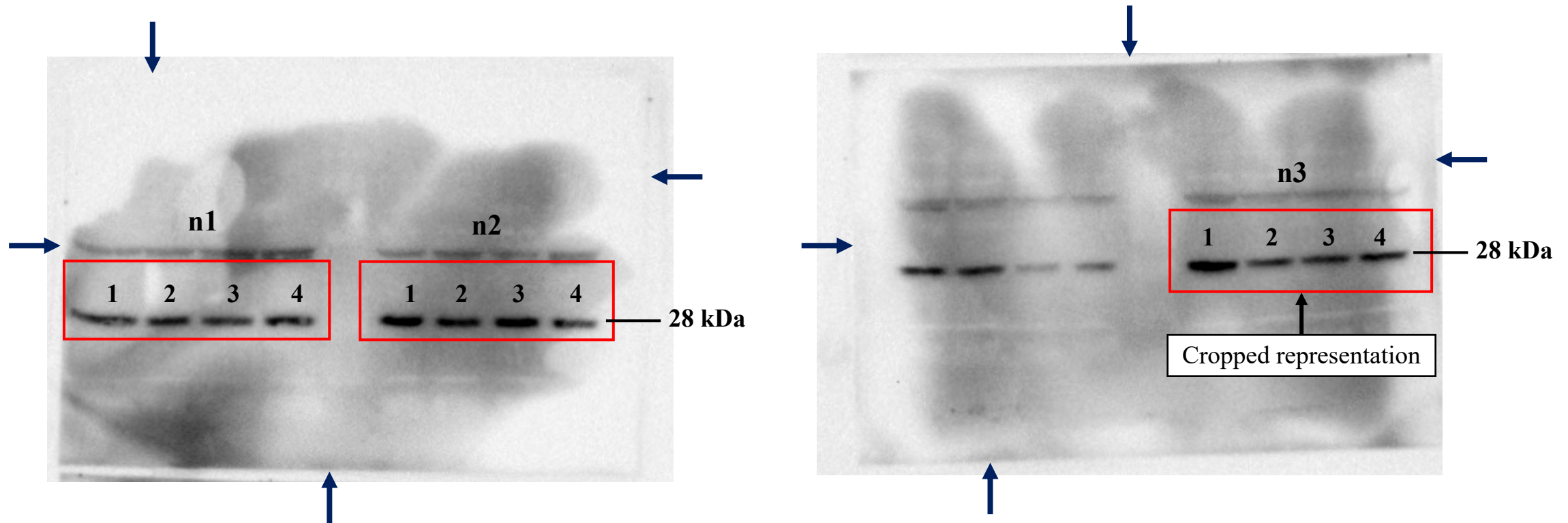
**Supplementary Figure 2:** Western blotting was used to detect the expression of ERK1/2 in SH-SY5Y cells induced by hydrogen peroxide toxicity. The groups included (1) naïve control, (2) H<sub>2</sub>O<sub>2</sub> + vehicle, (3) H<sub>2</sub>O<sub>2</sub> + AZC low dose, and (4) H<sub>2</sub>O<sub>2</sub> + AZC high dose. The full-length membranes are shown, with membrane edges indicated by the dark blue arrows.

## Original Blot of CREB Expression



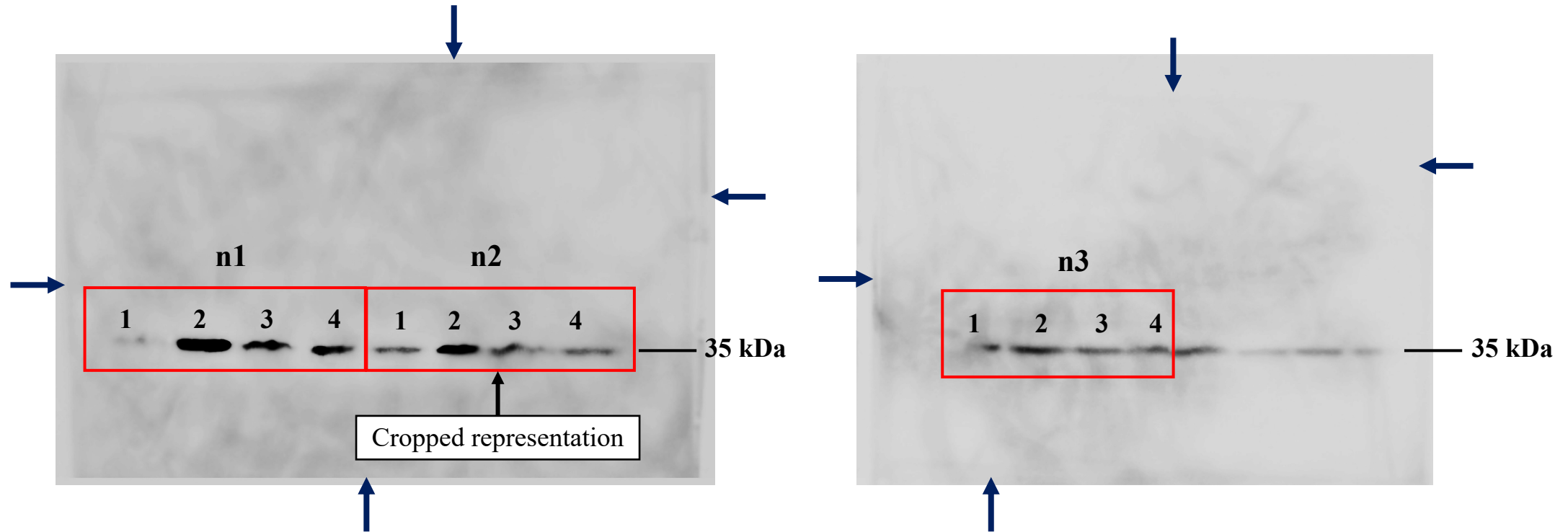
**Supplementary Figure 3:** Western blotting was used to detect the expression of CREB in SH-SY5Y cells induced by hydrogen peroxide toxicity. The groups included (1) naïve control, (2) H<sub>2</sub>O<sub>2</sub> + vehicle, (3) H<sub>2</sub>O<sub>2</sub> + AZC low dose, and (4) H<sub>2</sub>O<sub>2</sub> + AZC high dose. The full-length membranes are shown, with membrane edges indicated by the dark blue arrows.

## Original Blot of BCL-2 Expression



**Supplementary Figure 4:** Western blotting was used to detect the expression of BCL-2 in SH-SY5Y cells induced by hydrogen peroxide toxicity. The groups included (1) naïve control, (2)  $\text{H}_2\text{O}_2$  + vehicle, (3)  $\text{H}_2\text{O}_2$  + AZC low dose, and (4)  $\text{H}_2\text{O}_2$  + AZC high dose. The full-length membranes are shown, with membrane edges indicated by the dark blue arrows.

## Original Blot of Caspase-3 Expression



**Supplementary Figure 5:** Western blotting was used to detect the expression of Caspase-3 in SH-SY5Y cells induced by hydrogen peroxide toxicity. The groups included (1) naïve control, (2) H<sub>2</sub>O<sub>2</sub> + vehicle, (3) H<sub>2</sub>O<sub>2</sub> + AZC low dose, and (4) H<sub>2</sub>O<sub>2</sub> + AZC high dose. The full-length membranes are shown, with membrane edges indicated by the dark blue arrows.