

P-PKA、P-CREB
CREB、 β -actin

BDNF



72kD

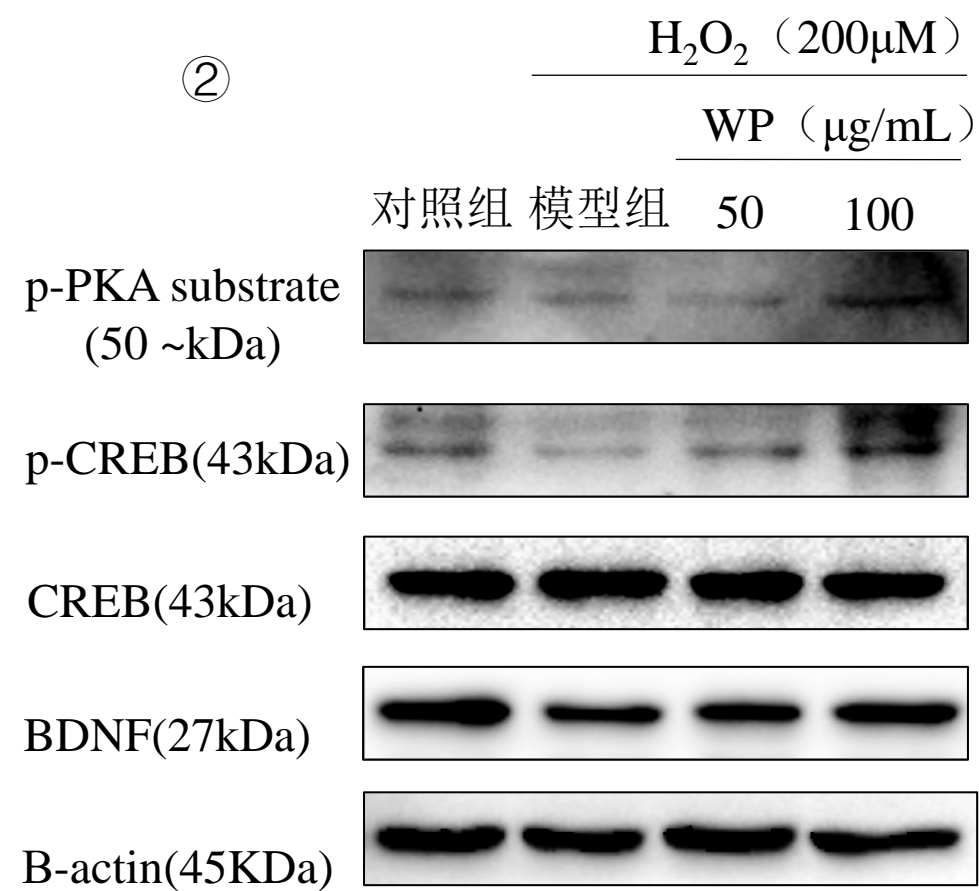
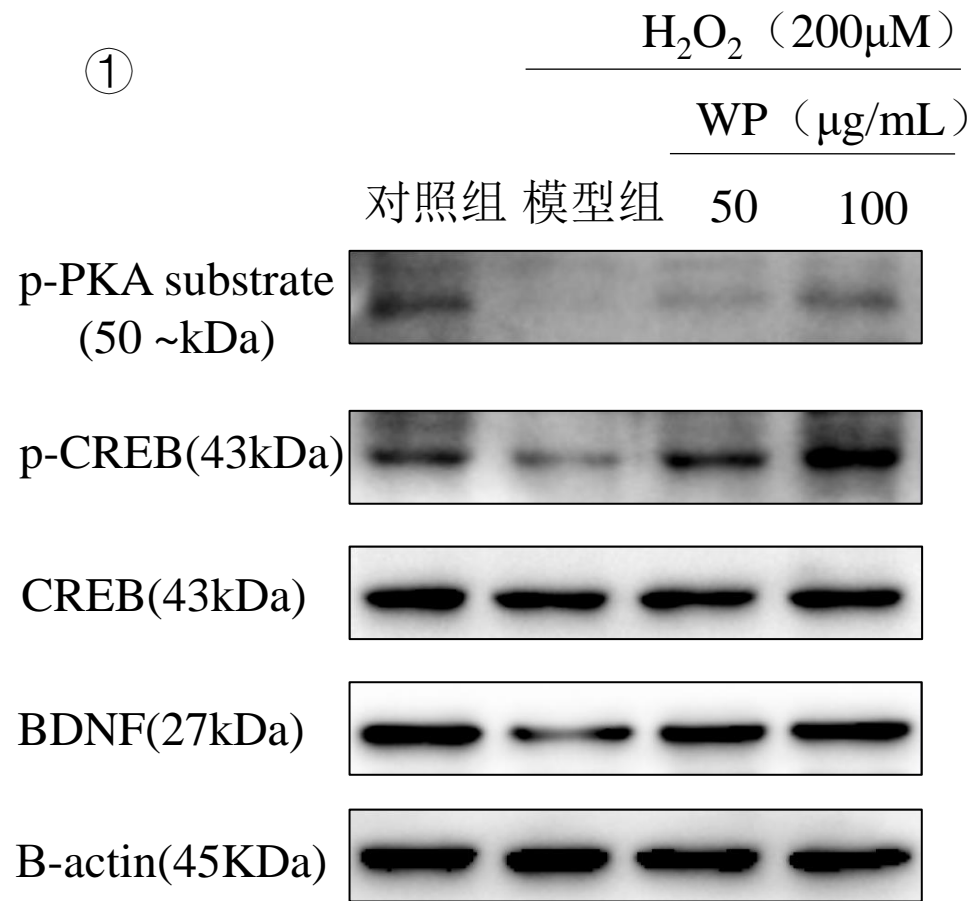
55kD

43kD

26kD

17kD

1、 WP up-regulated PKA/CREB/BDNF neurotrophic signaling in H₂O₂-treated SH-SY5Y cells



This is the western blot image used in the article.

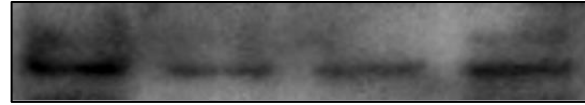
③

H₂O₂ (200μM)

WP (μg/mL)

对照组 模型组 50 100

p-PKA substrate
(50 ~kDa)



p-CREB(43kDa)



CREB(43kDa)



BDNF(27kDa)

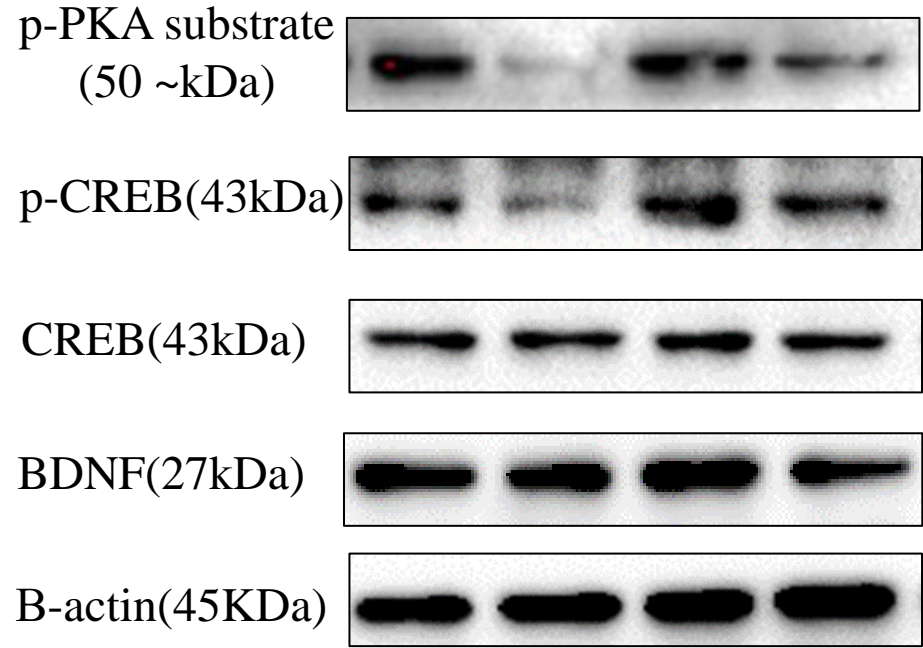


B-actin(45KDa)

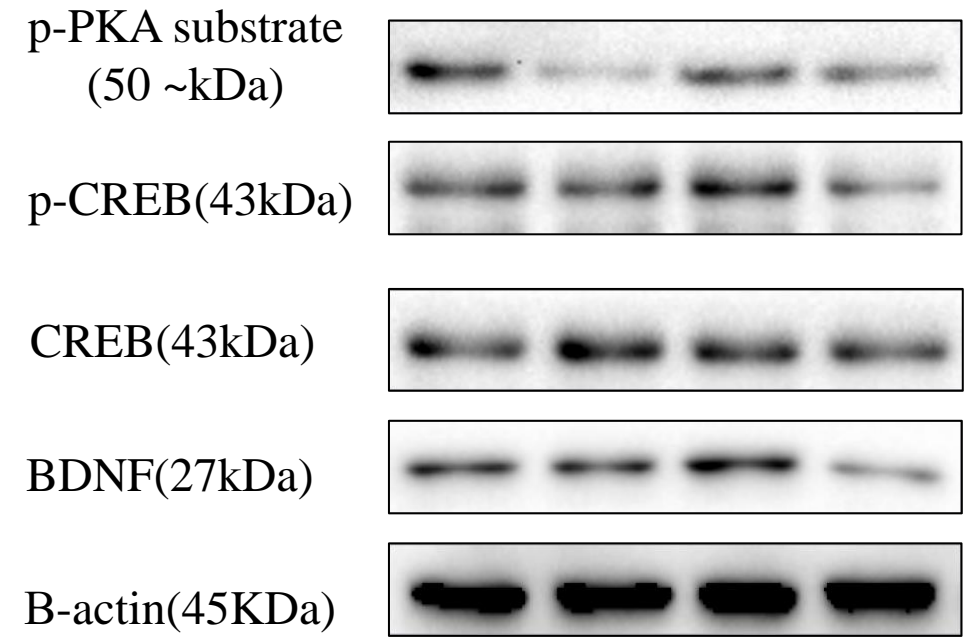


2、 Blocking the activity of PKA abolished the cytoprotective effect of WP in H₂O₂-treated SH-SY5Y cells

①	H ₂ O ₂ (200μM)	-	+	+	+
	WP (100μg/mL)	-	-	+	+
	H89 (10μM)	-	-	-	+



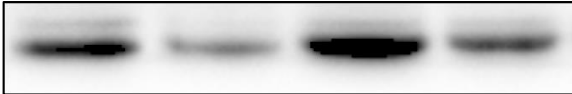
②	H ₂ O ₂ (200μM)	-	+	+	+
	WP (100μg/mL)	-	-	+	+
	H89 (10μM)	-	-	-	+



This is the western blot image used in the article.

③	H ₂ O ₂ (200μM)	-	+	+	+
	WP (100μg/mL)	-	-	+	+
	H89 (10μM)	-	-	-	+

p-PKA substrate
(50 ~kDa)




p-CREB(43kDa)




CREB(43kDa)



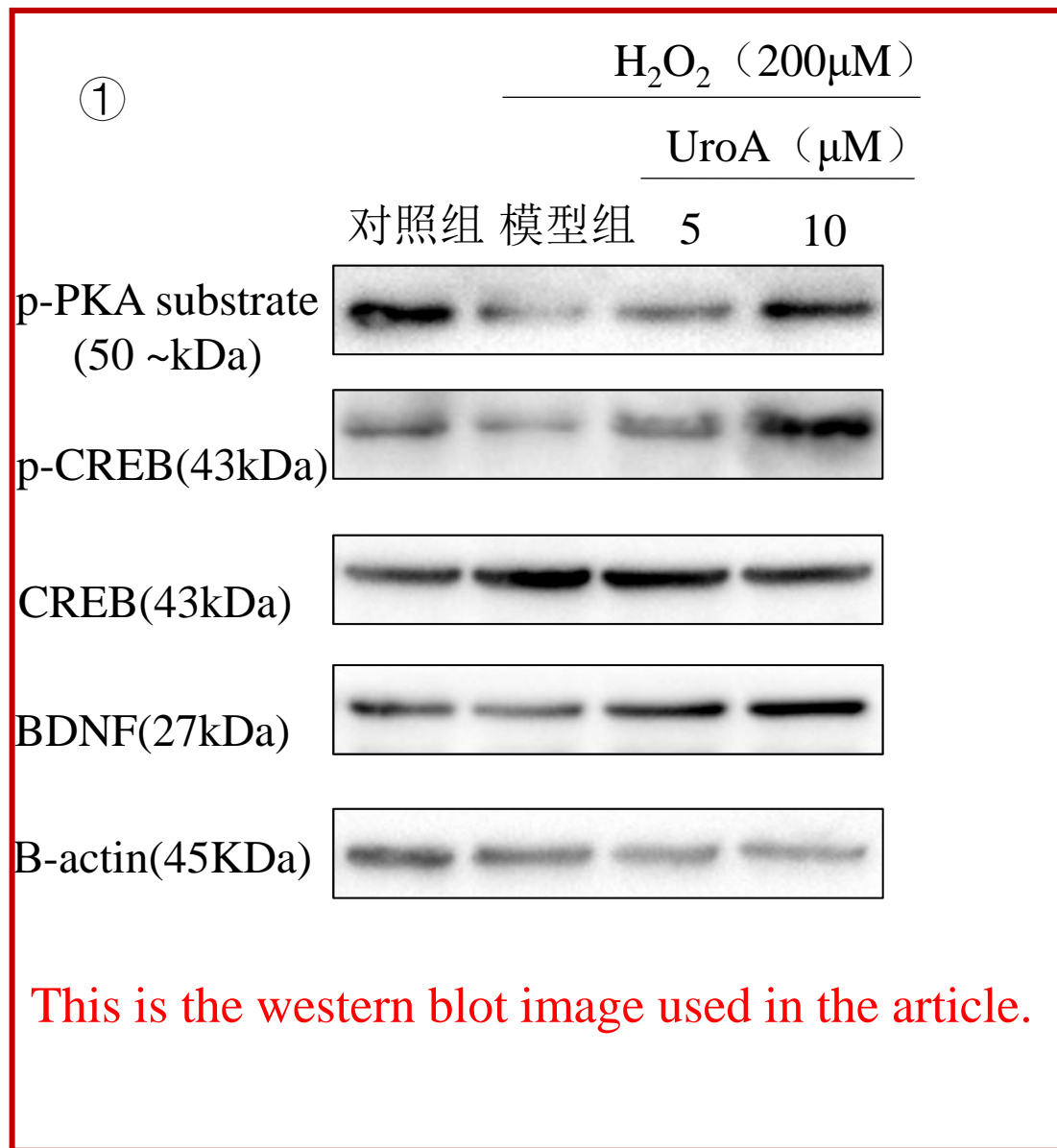
BDNF(27kDa)



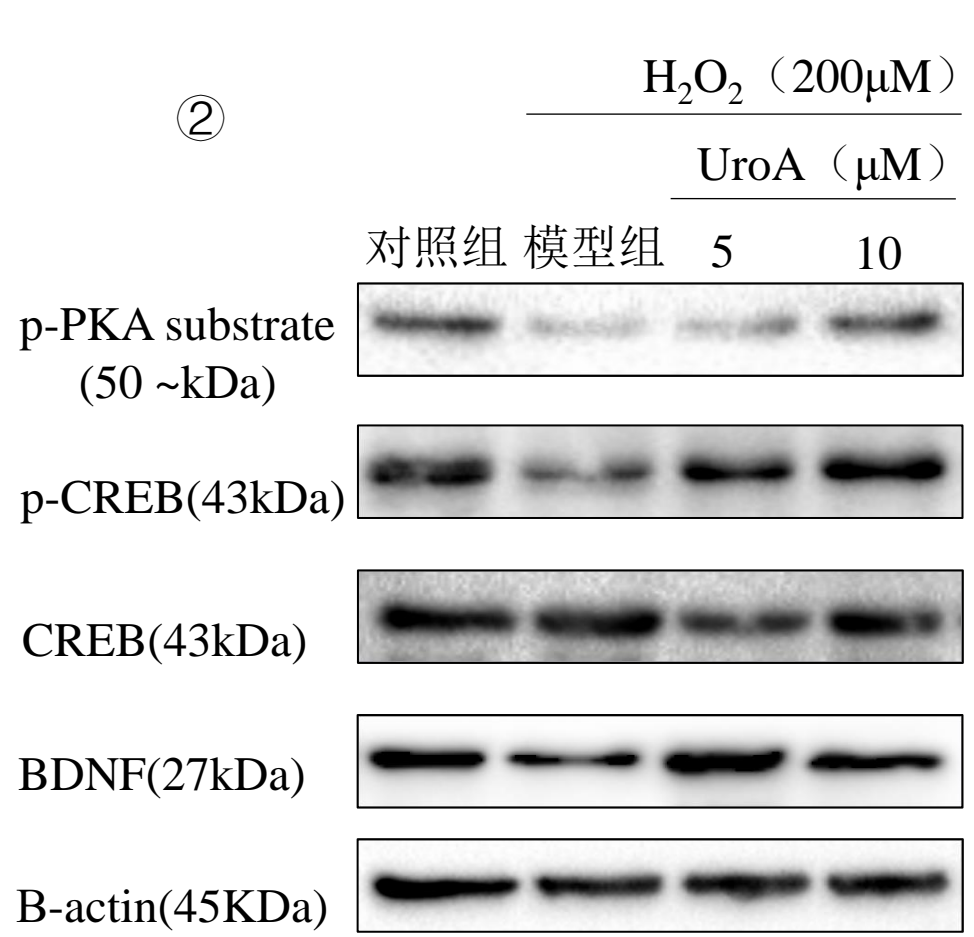
B-actin(45KDa)



3、 UroA up-regulated PKA/CREB/BDNF neurotrophic signaling in H₂O₂-treated SH-SY5Y cells



This is the western blot image used in the article.

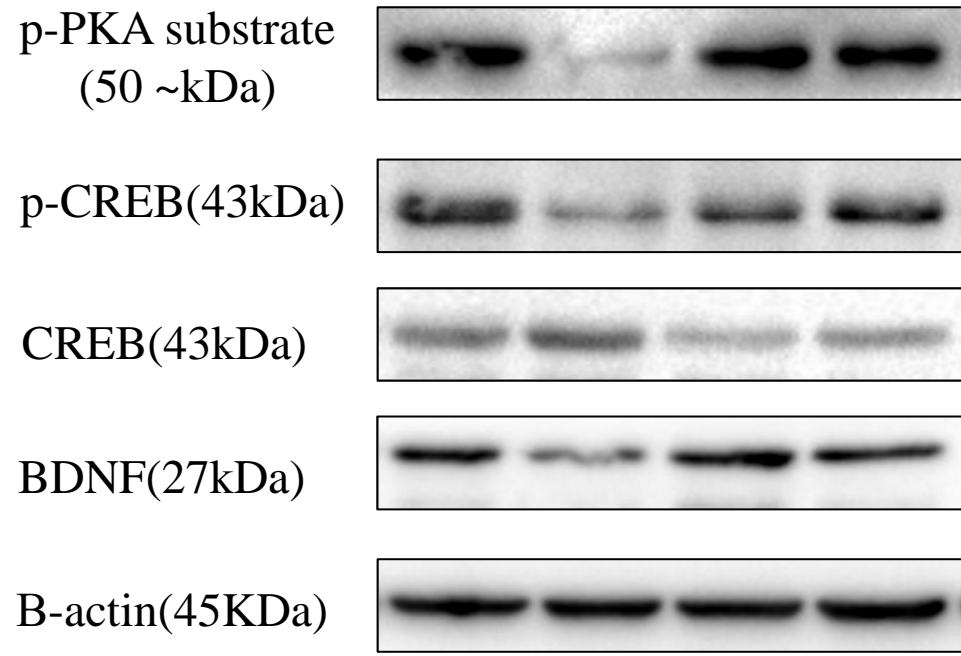


③

H_2O_2 (200 μ M)

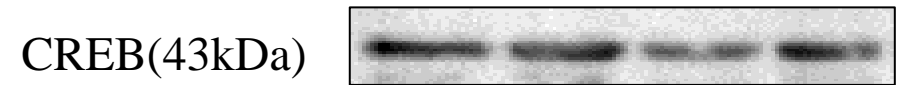
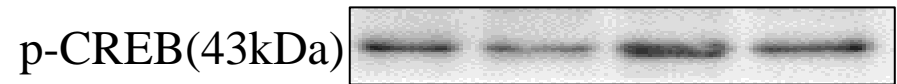
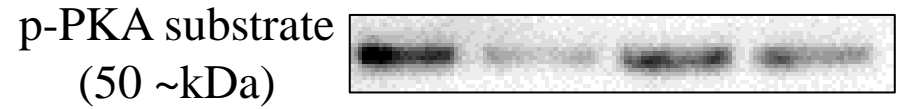
UroA (μ M)

对照组 模型组 5 10

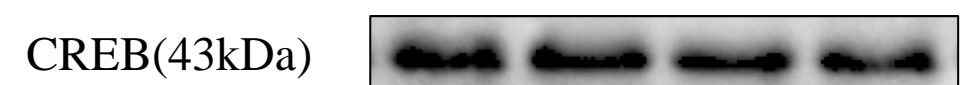
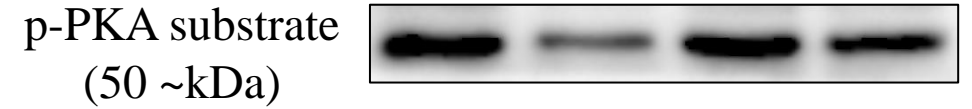


4、 Blocking the activity of PKA abolished the cytoprotective effect of UroA in H₂O₂-treated SH-SY5Y cells

①	H ₂ O ₂ (200μM)	-	+	+	+
	UroA (10μM)	-	-	+	+
	H89 (10μM)	-	-	-	+



②	H ₂ O ₂ (200μM)	-	+	+	+
	UroA (10μM)	-	-	+	+
	H89 (10μM)	-	-	-	+




This is the western blot image used in the article.

③	H ₂ O ₂ (200μM)	-	+	+	+
	UroA (10μM)	-	-	+	+
	H89 (10μM)	-	-	-	+


p-PKA substrate
(50 ~kDa)




p-CREB(43kDa)



CREB(43kDa)



BDNF(27kDa)



B-actin(45KDa)

