

PEPTIDES DERIVED FROM THE KNUCKLE EPITOPE OF BMP-9 INDUCE THE CHOLINERGIC DIFFERENTIATION AND INACTIVATE GSK3BETA IN HUMAN SH-SY5Y NEUROBLASTOMA CELLS

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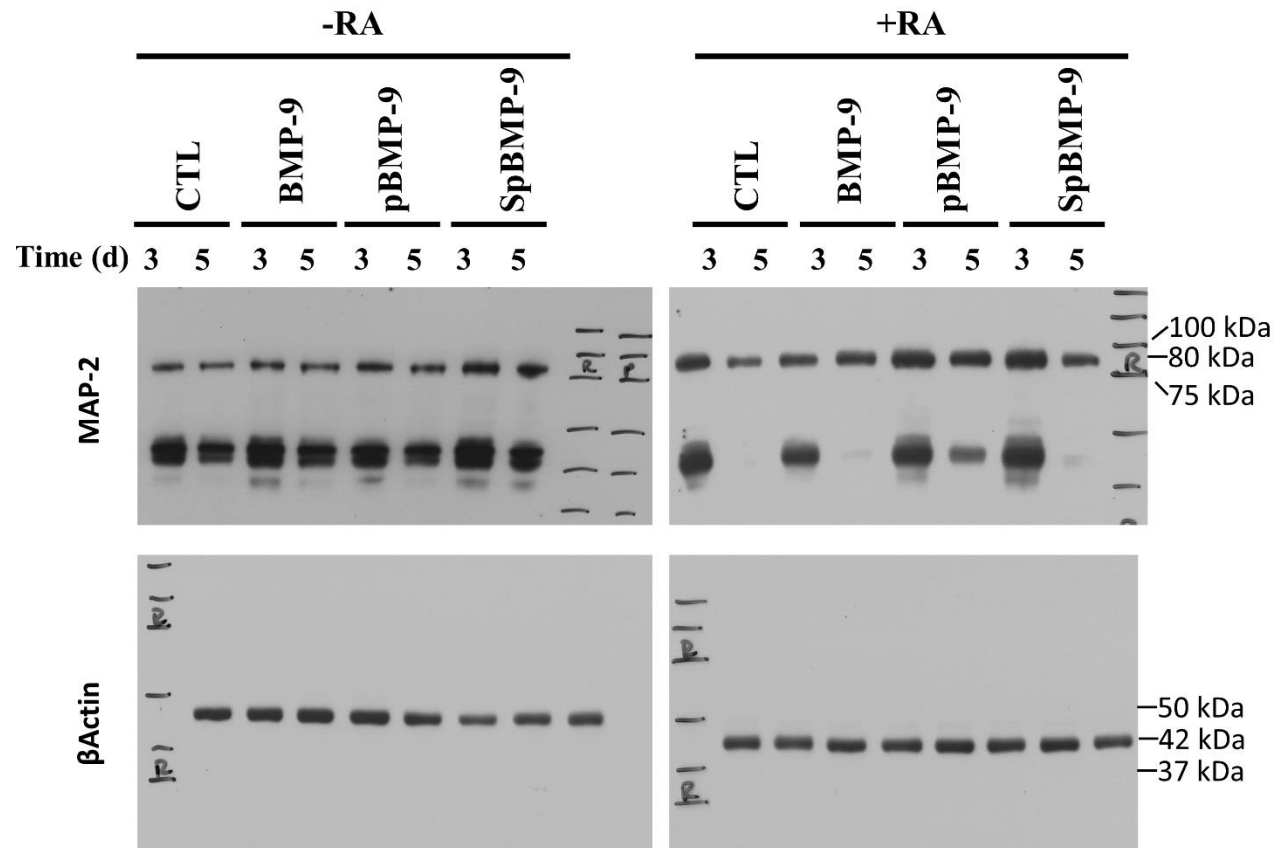


Figure S1: Western blots of MAP-2 and β actin for SH-SY5Y cells stimulated with 0.1 nM BMP-9, pBMP-9 and SpBMP-9 +/- 10 μ M RA for 3d and 5d. The 80 kDa band was used since it corresponds to MAP-2 low molecular weight isoform. β Actin band, with a MW of 42 kDa was used as a control. Those are the original (non-cropped) blots presented in Figure 4A of the article.

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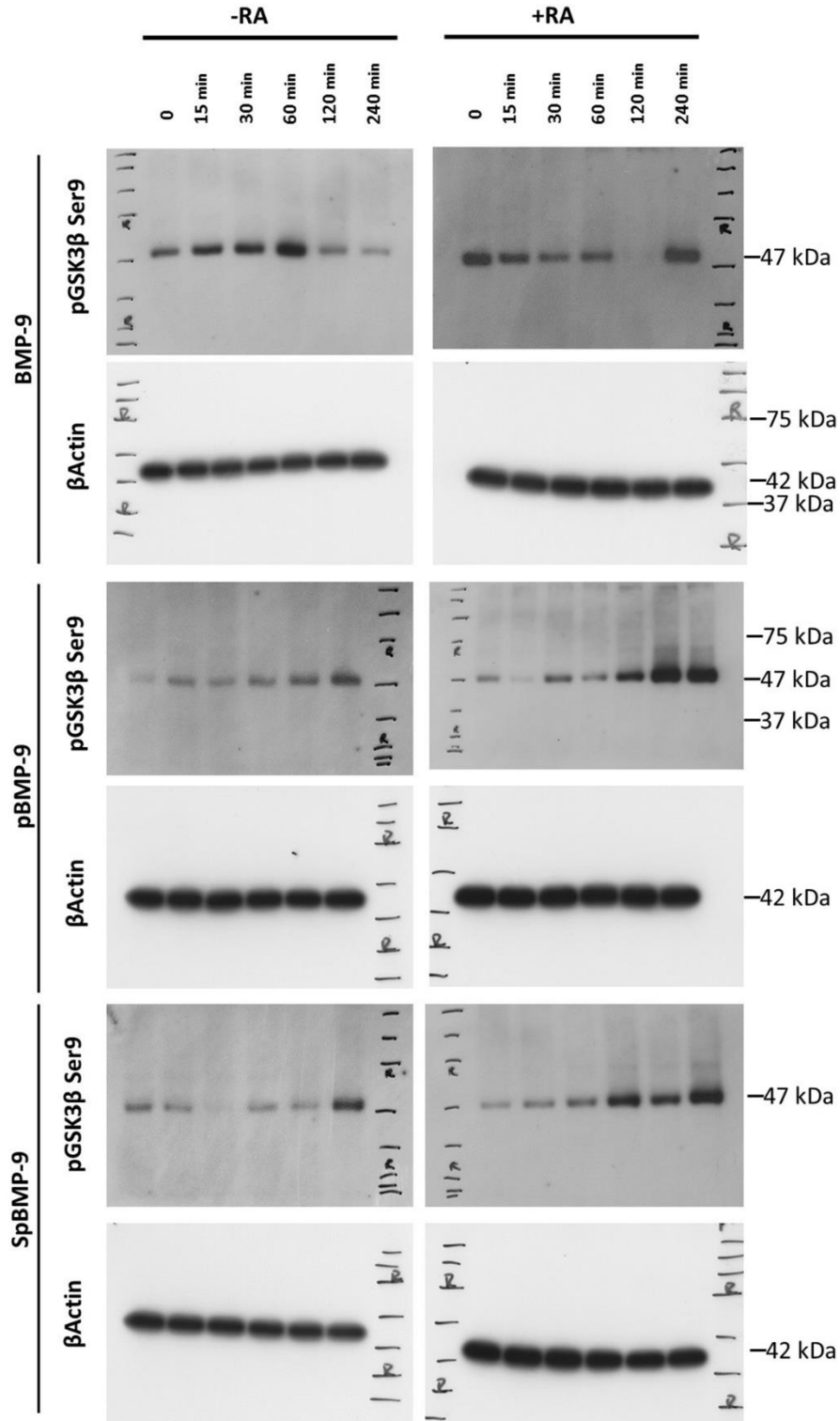


Figure S2: Western blots showing the effect of 0.1 nM BMP-9, pBMP-9 and SpBMP-9 +/- 10 μ M RA on the phosphorylation of GSK3 β at Ser9 (MW 47 kDa) in SH-SY5Y cells after incubation for 0, 15, 30, 60, 120 and 240 min. β Actin (MW of 42 kDa) was used as a control. These pictures are the original (non-cropped) blots presented in Figure 8B of the article.

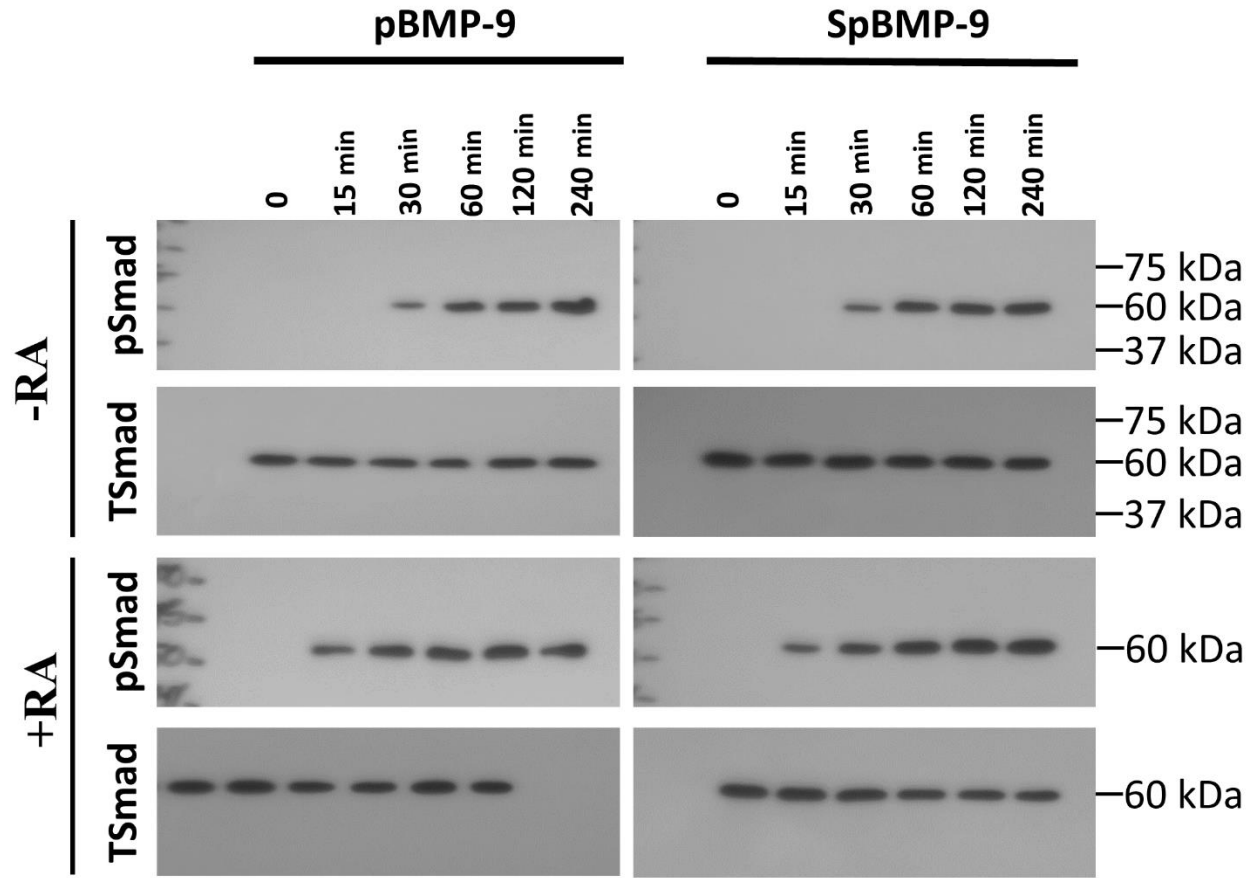


Figure S3: Western blots showing the effect of 1 nM of pBMP-9 or SpBMP-9 +/- 10 μ M RA on the phosphorylation of Smad1/5 (pSmad, MW 60 kDa) in SH-SY5Y cells after incubation for 0, 15, 30, 60, 120 and 240 min. Total Smad1/5/8 (TSmad, MW 60 kDa) was used as a control. These pictures are the original (non-cropped) blots presented in Figure 1A of the article.