

Supplementary Materials for

Opiates increase the number of hypocretin-producing cells in human and mouse brain and reverse cataplexy in a mouse model of narcolepsy

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Fig. S1. Western blots for Fig. 3 (D and E).

Table S1. Characteristics of animals used for morphine study.

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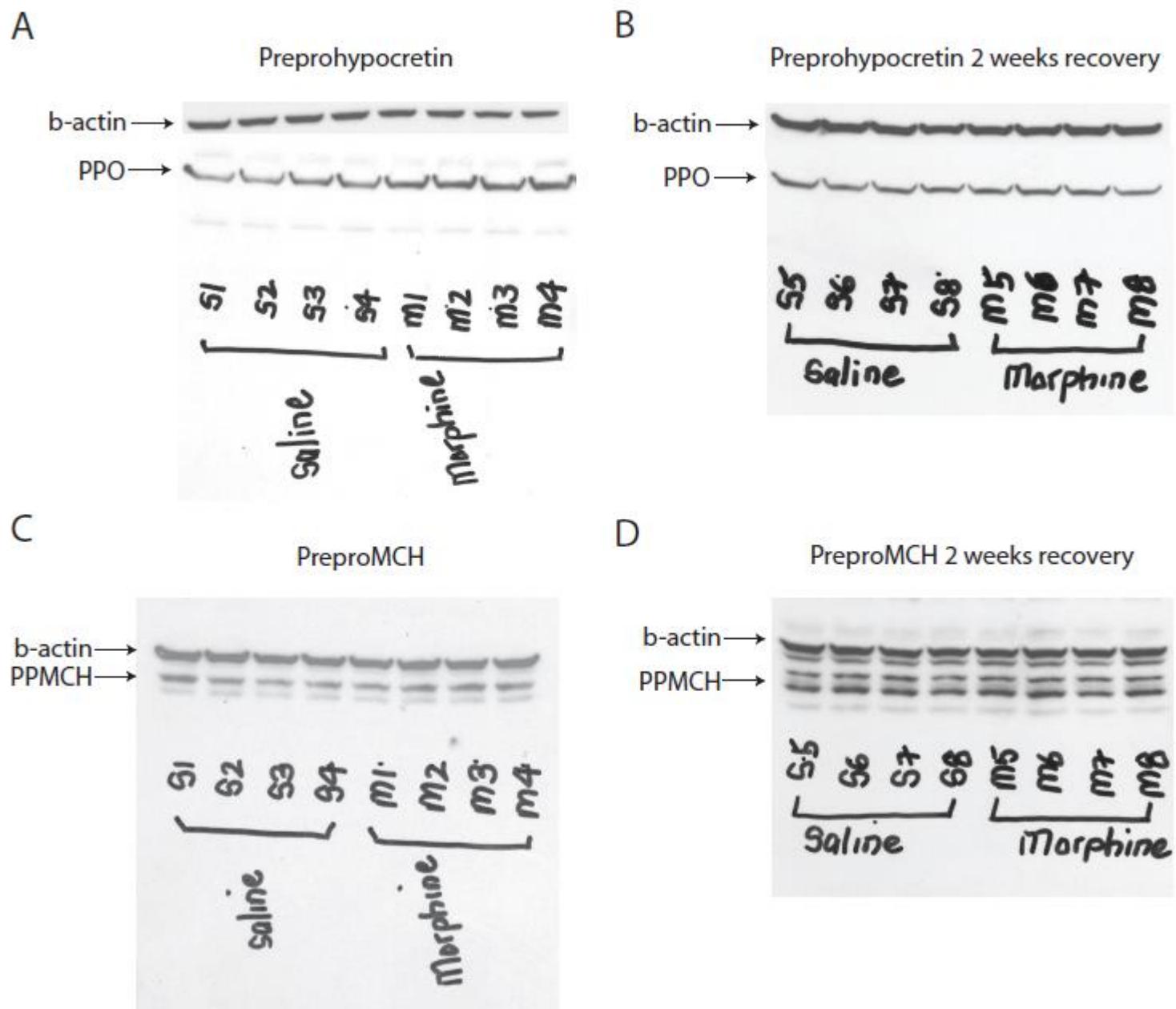


Table S1. Characteristics of animals used for morphine study.

Morphine escalating dose	Dose	Duration	N	Sex	Age	S = saline, M = Morphine, W = week, WD = withdrawal	N1-N6, each mouse in experiment								
Figure 2a	100 mg/kg	7 DAYS	3	M	100										
Figure 2a	100mg/kg	7 days	3	M	100	Morphine escalating dose									
	escalating dose					No. of animals	Sali ne	M100 - 7day s	M100-7days	M100-14 days	M100-14 days				
Figure 2a	saline	7 days	3	M	100										
Figure 2a	100mg/kg	14 days	3	M	107	N1	986	922	970	1214	1170				
Figure 2a	100 mg/kg	14 days	3	M	107	N2	974	1311	1108	1402	1310				
	escalating dose					N3	1028	1119	1180	1486	1159				
Morphine 14 days dose response						Morphine 14 days dose response									
Figure 2b	1mg/kg	14 days	3	M	80	No. of animals	sali ne	M 1mg/kg	M 5mg/kg	M 10 mg/kg	M 25mg/kg	M 50 mg/kg	M 75 mg/kg	M 100 mg/kg	
Figure 2b	saline	14 days	3	M	80	N1	926	879	1035	1020	1070	1214	1164	1078	
Figure 2b	5mg/kg	14 days	3	M	80	N2	828	822	870	1101	1192	1182	1203	1096	
Figure 2b	saline	14 days	3	M	80	N3	803	865	1001	1069	1020	1126	950	1101	
Figure 2b	10mg/kg	14 days	3	M	80										
Figure 2b	saline	14 days	3	M	80										
Figure 2b	25 mg/kg	14 days	3	M	80										
Figure 2b	saline	14 days	3	M	80										
Figure 2b,d,k,i	50mg/kg	14 days	3	M	80										
Figure 2b,d,k,i	saline	14 days	3	M	80										
Figure 2b	75mg/kg	14 days	3	M	80										
Figure 2b	saline	14 days	3	M	80										
Figure 2b	100mg/kg	14 days	3	M	80										
Figure 2b	saline	14 days	3	M	80										
Morphine 60 days dose response						Morphine 60 days dose response									
Figure 2c	50mg/kg	60 days	4	M	142	No. of animals	Sali ne	M 10mg/kg	M 25mg/kg	M 50mg/kg					
Figure 2c	saline	60 days	5	M	142	N1	1029	1439	1582	1294					

