

Figure S1. Menin was overexpressed upon AAV-Men1 infection. (A) The protein level of menin in lung tissues was determined by Western blotting and the data were quantified by Image J software ($n = 7$ for each group). (B) The expression and distribution of menin were virtualized by IHC staining and the data were quantified by Image J software ($n = 7$ for each group). Scale bar: 100 μm . *, $P < 0.05$.

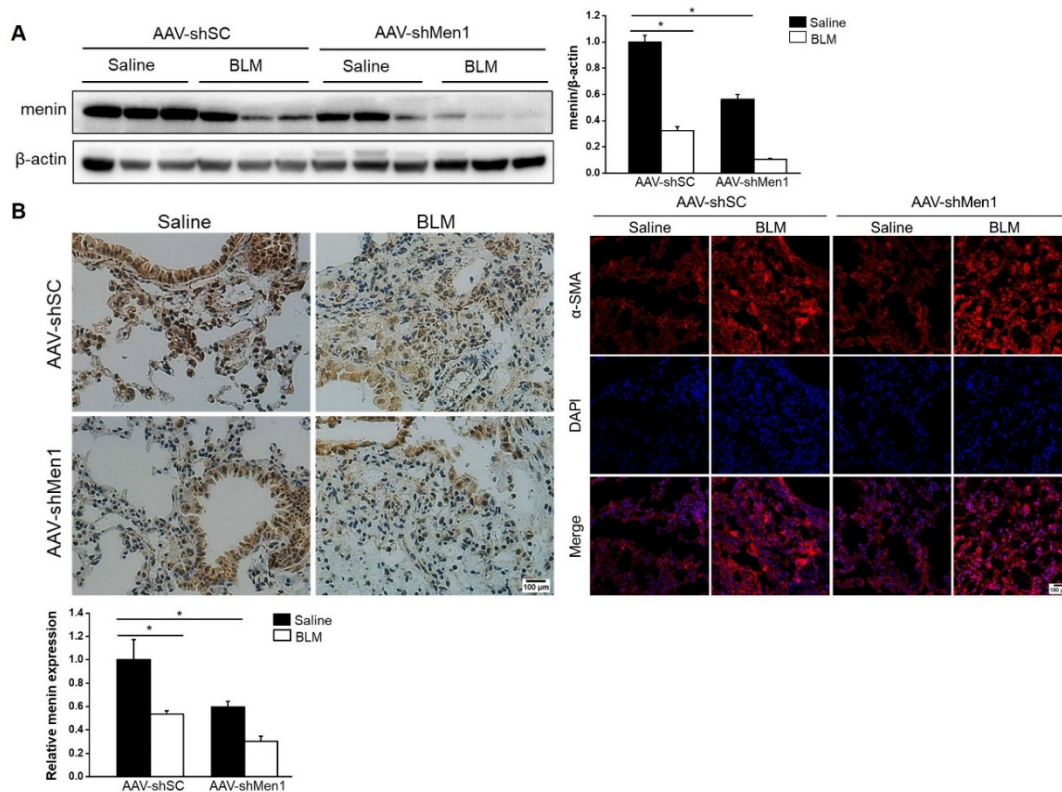


Figure S2. The expression of menin was inhibited by AAV-shMen1 infection. (A) The protein level of menin in lung tissues was detected by Western blotting. Data quantification was performed by

Image J software ($n = 6$ for each group). (B) Expression and distribution of menin were determined by IHC staining and data quantification was performed by Image J software ($n = 5$ for each group). *, $P < 0.05$. (C) The expression of α -SMA in lung tissue was visualized with IF staining. α -SMA and the nuclei were labeled with Cy5 and DAPI, respectively. Scale bar: 100 μ m.

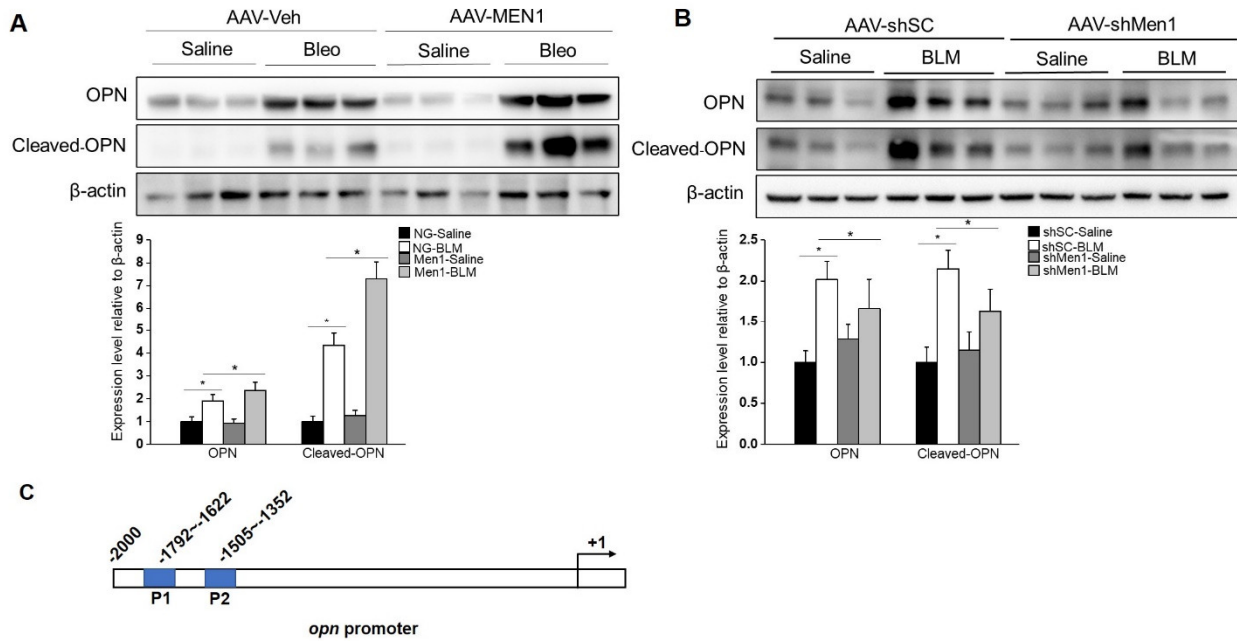


Figure S3. Menin regulates OPN expression by transcriptional way. (A-B) The level of OPN protein in lung tissue was determined by Western blotting. ($n = 7$ for AAV-NG and AAV-Men1 groups, $n = 6$ for AAV-shSC and AAV-shMen1 groups). (C) The specific primers to the OPN promoter region were designed.