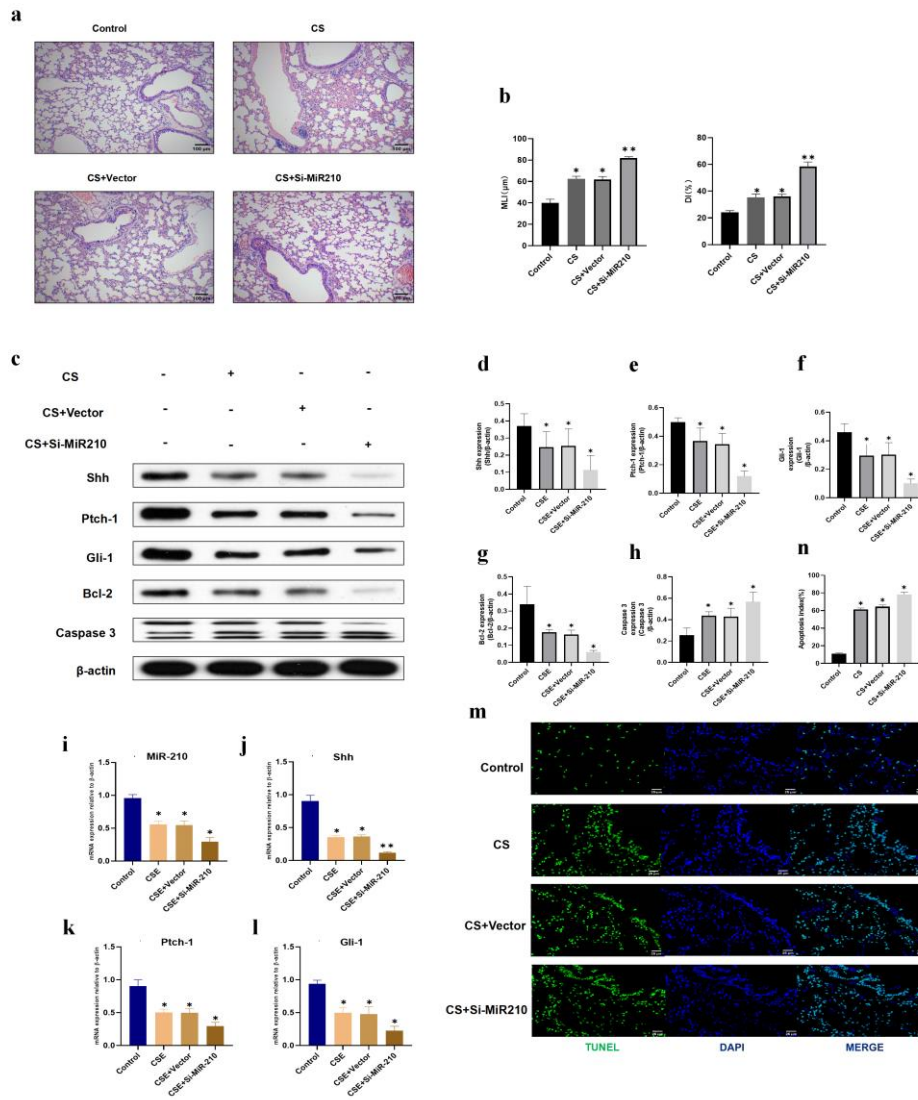


**Figure 1** MiR-210 attenuates CSE-induced apoptosis via Shh pathway in MLE-12

a Immunoblotting was conducted using MLE-12 from the control, CSE, CSE + Vector and CSE + Si-MiR210 groups. (b-f) The relative expressions of Shh, Ptch-1, Gli-1, Bcl-2, and Caspase 3 in MLE-12. Results are expressed as mean±SD. \*P<0.05 compared with the control group. (b-j) Expression of MiR-210, Shh, Ptch-1, and Gli-1 were measured by qRT-PCR from the control, CSE, CSE + Vector and CSE + Si-MiR210 groups.\*P<0.05 compared with the control group. k Flow cytometry was conducted in MLE-12 from the control, CSE, CSE + Vector and CSE + Si-MiR210 groups. l Statistical analysis of the AI in different groups. Results are expressed as mean±SD.\*P<0.05.\*\* P < 0.01.



**Figure 2** MiR-210 attenuates CS-induced apoptosis via the Shh pathway in the mouse model  
 a HE staining of lungs from the control, CS, CS + Vector and CS + Si-MiR210 groups. Scale bar = 100  $\mu\text{m}$ . b Morphometric measurements of MLI ( $\mu\text{m}$ ) and DI (%) were performed in each group. Results are expressed as mean $\pm$ SD. \* $P < 0.05$  compared with the control group. c Immunoblotting was conducted using MLE-12 from the control, CS, CS + Vector and CS + Si-MiR210 groups. (b-f) The relative expressions of Shh, Ptch-1, Gli-1, Bcl-2, and Caspase 3 in MLE-12. Results are expressed as mean $\pm$ SD. \* $P < 0.05$  compared with the control group. (i-l) Expression of MiR-210, Shh, Ptch-1, and Gli-1 were measured by qRT-PCR from the control, CS, CS + Vector and CSE + Si-MiR210 groups.\* $P < 0.05$  compared with the control group. m TUNEL staining was conducted in MLE-12 from the control, CS, CS + Vector and CS + Si-MiR210 groups. n Statistical analysis of the AI in different groups. Results are expressed as mean $\pm$ SD.\* $P < 0.05$ .\*\*  $P < 0.01$ .