



**Figure S1.** Negative technical controls for immunohistochemical analyses of the basement membrane (BM) molecules [collagen type IV and VII (Col IV) (Col VII), proteoglycans heparan sulfate proteoglycan 2 (HSPG2) and agrin (AGRN) and glycoproteins laminin (LAM) and nidogen-1 (NID-1)] in full-term human umbilical cords (UC) and Wharton's Jelly stem cells under two -dimensional cell culture (WJSC-2D). Images showed negative reaction in amnios basement membrane, cells of UC stroma and WJSC-2D. Scale bar: 100  $\mu$ m (UC) and 50  $\mu$ m (WJSC-2D).