

S1 Table. The lists of primary antibodies for immunohistochemical staining of methylated histone H3 lysine, H3K4 demethylase, and H3K27 methyltransferase

	Catalogue No.	Dilution ratio	Manufacture
H3 Lysine methylation			
H3K4me1 monoclonal antibody	ab176877	1:250	Abcam plc., Cambridge, UK
H3K4me3 polyclonal antibody	ab8580	1:100	Abcam plc., Cambridge, UK
H3K9me1 monoclonal antibody	ab176880	1:100	Abcam plc., Cambridge, UK
H3K9me2 monoclonal antibody	ab1220	1:200	Abcam plc., Cambridge, UK
H3K9me3 polyclonal antibody	ab8898	1:100	Abcam plc., Cambridge, UK
H3K14 monoclonal antibody	ab177220	1:100	Abcam plc., Cambridge, UK
H3K27me1 polyclonal antibody	ab194688	1:100	Abcam plc., Cambridge, UK
H3K27me2 polyclonal antibody	ab24684	1:200	Abcam plc., Cambridge, UK
H3K27me3 monoclonal antibody	ab6022	1:200	Abcam plc., Cambridge, UK
H3K36me1 monoclonal antibody	ab176920	1:150	Abcam plc., Cambridge, UK
H3K36me2 monoclonal antibody	ab176921	1:100	Abcam plc., Cambridge, UK
H3K36me3 polyclonal antibody	ab9050	1:200	Abcam plc., Cambridge, UK
H3K4 demethylase			
LSD1/KDM1A monoclonal antibody	ab129195	1:100	Abcam plc., Cambridge, UK
LSD2/KDM1B monoclonal antibody	ab251164	1:100	Abcam plc., Cambridge, UK
JARID1A/KDM5A monoclonal antibody	ab194286	1:100	Abcam plc., Cambridge, UK
JARID1B/KDM5B monoclonal antibody	ab181089	1:200	Abcam plc., Cambridge, UK
JARID1C/KDM5C monoclonal antibody	ab259913	1:100	Abcam plc., Cambridge, UK
JARID1D/KDM5D polyclonal antibody	ab227728	1:100	Abcam plc., Cambridge, UK
H3K27 methyltransferase			
EZH1 polyclonal antibody	ab189833	1:100	Abcam plc., Cambridge, UK
EZH2 polyclonal antibody	ab191080	1:250	Abcam plc., Cambridge, UK

EMT, epithelial-to-mesenchymal transition; MET, mesenchymal-to-epithelial transition.