

**Supplementary Table 1.** Sources of antibodies and the working dilutions that were used for different experiments in this study

Antibody	Vendor	Catalog no.	Usage
Rat anti-CD31	Thermo Scientific	11-0311-82	Flow-1 µg/test IHC-1:100
Rat anti-CD45	Thermo Scientific	606-0451-82	Flow-1 µg/test
Mouse anti-BrdU	Sigma-Aldrich	B2531	IF-1:200
Rabbit anti-SMARCA5	Thermo Scientific	PA5-52601	WB-1:1,000
Rabbit anti-SMARCA5	Thermo Scientific	PA5-40312	ChIP-0.5 µg/reaction
Rabbit anti-β-ACTIN	Cell signaling	#4967	WB-1:2,500
Rabbit anti-pho-P38	Cell signaling	#4511	WB-1:1,000
Rabbit anti-P38	Cell signaling	#9212	WB-1:2,000
Rabbit anti-pho-Akt	Cell signaling	#4060	WB-1:1,000
Rabbit anti-Akt	Cell signaling	#9272	WB-1:2,000
Rabbit anti-pho-eNOS	Cell signaling	#9570	WB-1:1,000
Rabbit anti-eNOS	Cell signaling	#32027	WB-1:2,000
Rabbit anti-BRG1	Thermo Scientific	PA5-17003	ChIP-0.5 µg/reaction
Rabbit anti-BRM	Cell signaling	#11966	ChIP-0.5 µg/reaction
Rabbit anti-MTA1	Cell signaling	#5646	ChIP-0.5 µg/reaction
Rabbit anti-EZH2	Cell signaling	#4905	ChIP-0.5 µg/reaction
Rabbit anti-GAPDH	Santa Cruz Biotechnology	sc-9104	WB-1:2,000
Goat anti-rat IgG-biotin	Sigma-Aldrich	B7139	IHC-1:500
Goat anti-mouse IgG-FITC	Abcam	ab6785	IF-1:800
VECTASTAIN Elite ABC Kit	Vector Laboratory	PK-6200	IHC-1:500
Goat anti-rabbit IgG-HRP	Abcam	ab97200	WB-1:10,000

IHC, immunohistochemistry; BrdU, 5-bromodeoxyuridine; IF, immunofluorescence; SMARCA5, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5; WB, Western blot; ChIP, chromatin immunoprecipitation; eNOS, endothelial nitric oxide synthase; BRG1, Brahma-related gene 1; BRM, Brahma homologue; MTA1, metastasis-associated protein 1; EZH2, enhancer of zeste 2 polycomb repressive complex 2 subunit; GAPDH, glyceraldehyde-3-phosphate dehydrogenase; IgG, immunoglobulin G; FITC, fluorescein isothiocyanate; HRP, horseradish peroxidase.