

Major Resources Tables

Animals (in vivo studies)

Species	Vendor or Source	Background Strain	Sex
Mouse	The Jackson Laboratory	C57BL/6j	6 male and 5 female

Animal breeding

	Species	Vendor or Source	Background Strain	Other Information
Parent - Male				
Parent - Female				

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)
H3K4me1	Active Motif	39635	3 µg/IP	
H3K27ac	Active Motif	39133	3 µg/IP	31814008
eNOS	Abcam	ab76198	1 µg/mL for WB, 5 µg/IP for IHC	
Phospho-eNOS (Ser1177)	Abcam	ab230158	1 µg/mL for WB	
Phospho-eNOS (Thr495)	Cell Signaling Technology	9574S	1 µg/mL for WB	
Calmodulin	Abcam	Ab45689	25 µg/IP	
α-tubulin	Cell Signaling Technology	3873S	0.25 µg/mL for WB	
caveolin-1	Santa Cruz Biotechnology	Sc-53564	5 µg/IP	
ITPR3	EMD Millipore	MABN1544	0.5 µg/mL for WB	
β-Actin	Santa Cruz Biotechnology	Sc-47778	0.2 µg/mL for WB	K1716
RNA Pol II	Active Motif	102660	2 µg/IP	16317020
KLF4	Cell Signaling Technology	12173S	8 µg/IP	

Cultured Cells

Name	Vendor or Source	Sex (F, M, or unknown)
Human Umbilical Vein Endothelial Cells (HUVEC)	Cell Applications	unknown