

Major Resources Tables

Animals (in vivo studies)

Species	Vendor or Source	Background Strain	Sex
WT mice	The Jackson Laboratory	C57BL/6J	Male & Female

Reagents

Name	Vendor or Source	Catlog #
SCH79797	TOCRIS Biosciences (Bristol, UK)	1592
Luciferase assay system	Promega (Madison, WI)	E4530
PCR Master Mix	Promega (Madison, WI)	M750B
Quickchange Lightning Site-Directed Mutagenesis kit	Agilent Technologies (Santa Clara, CA)	210518-5
Culture-Insert 2 Well in μ -Dish 35 mm	ibidi GmbH (Munich, Germany)	81176
Biotin 3'-end DNA labeling kit	Thermo Fisher Scientific (Waltham, MA)	89818
LightShift chemiluminescent EMSA kit	Thermo Fisher Scientific (Waltham, MA)	20148
One Shot™ TOP10 Chemically Competent E. coli	Thermo Fisher Scientific (Waltham, MA)	C404003
Lipofectamine™ 3000 transfection reagent	Thermo Fisher Scientific (Waltham, MA)	L3000-015
InvivoFectamine™ 3.0 Reagent	Thermo Fisher Scientific (Waltham, MA)	IVF3005
Medium 231	Thermo Fisher Scientific (Waltham, MA)	M231-500
Smooth muscle growth supplements	Thermo Fisher Scientific (Waltham, MA)	S-007-25
Gentamicin/Amphotericin solution	Thermo Fisher Scientific (Waltham, MA)	R-015-10
ECL Western blotting detection reagents	GE Healthcare (Pittsburg, PA)	RPN2106
Quick Ligation Kit	New England Biolabs (Ipswich, MA)	M2200S
PLCglow (WH-15)	KXTbio (Chapel Hill, NC)	KCH-0001

siRNA

Target gene	Vendor or Source	siRNA ID #
Control nontargeting siRNA	Dharmacon RNAi Technologies (Chicago, IL)	D-001810-10
Human Gαq	Dharmacon RNAi Technologies (Chicago, IL)	J-008562-05
Human Gα11	Dharmacon RNAi Technologies (Chicago, IL)	J-010860-10
Human PTK2B	Dharmacon RNAi Technologies (Chicago, IL)	L-003165-00
Human PLCβ3	Thermo Fisher Scientific (Waltham, MA)	s10619
Human E2F1	Thermo Fisher Scientific (Waltham, MA)	s4405
Human LMCD1	Thermo Fisher Scientific (Waltham, MA)	s26868
Human NFATc1	Thermo Fisher Scientific (Waltham, MA)	s9470
Mouse E2F1	Thermo Fisher Scientific (Waltham, MA)	MSS203744
Mouse LMCD1	Thermo Fisher Scientific (Waltham, MA)	MSS219977
Mouse NFATc1	Thermo Fisher Scientific (Waltham, MA)	MSS275980

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)
Anti-E2F1	Santa Cruz Biotechnology	SC-251	0.2 µg/ml	-
Anti-PLCβ3	Santa Cruz Biotechnology	SC-403	0.2 µg/ml	-
Anti-β-Actin	Santa Cruz Biotechnology	SC-47778	0.2 µg/ml	-
Anti-Thrombin R	Santa Cruz Biotechnology	SC-13503	0.2 µg/ml	-
Anti-c-Myc	Santa Cruz Biotechnology	SC-789	0.2 µg/ml	-
Anti-HA-Probe	Santa Cruz Biotechnology	SC-57592	0.2 µg/ml	-
Anti-p53	Santa Cruz Biotechnology	SC-6243	0.2 µg/ml	-
Anti-MEK1	Santa Cruz Biotechnology	SC-219	0.2 µg/ml	-
Anti-LMCD1	Abcam	ab179454	0.93 µg/ml	-
Anti-Gαq	Abcam	ab210004	0.52 µg/ml	-
Anti-Gα11	Abcam	ab153951	0.63 µg/ml	-
Anti-rabbit-SMCα-actin	Abcam	ab5694	0.8 µg/ml	-

Anti-Pyk2	Abcam	ab32571	0.27 µg/ml	-
Anti-IL33	MBL International	MBLPM033	0.5 µg/ml	-
Anti-NFATc1	Thermo Scientific	MA3-024	0.4 µg/ml	-
Goat anti-rabbit HRP	Thermo Scientific	31460	0.8 µg/ml	-
Goat anti-mouse HRP	Thermo Scientific	31437	0.8 µg/ml	-
Neutralizing human IL-33 Antibody	R&D Systems	AF3625	0.1 µg/ml	-
Neutralizing mouse IL-33 Antibody	R&D Systems	AF3626	0.1 µg/ml	-
Anti-mouse-SMCα-actin	Sigma-Aldrich	A 2547	0.8 µg/ml	-

Cultured cells

Name	Vendor or Source	Sex (F, M, or unknown)
Human Aortic Smooth Muscle Cells (HASMC)	Invitrogen (Cat # C00725PA)	Unknown
HEK293T	ATCC (Cat # CRL-11268)	Unknown