MAJOR RESOURCES TABLES

CaMKII (Ca^{2+}/calmodulin-dependent kinase II) in mitochondria of smooth muscle cells controls mitochondrial mobility, migration and neointima formation

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Animals

Species/Strain	Vendor or Source	Background Strain	Sex
C57 Bl6 mouse	Jackson Labs	C57	Male
Miro-1 $^{fl/fl}$ mouse	Dr. Janet Shaw, Univ. of Utah	C57	Male
MCU$^{-/--}$ mouse	Dr. Toren Finkel, NIH	CD1	Male
CD1 mouse	Charles River	CD1	Male

Antibody

Antibody	Company	Catalog #	Species	Working Concentration	Application
GAPDH	Cell Signaling	2118	Rabbit	0.05 µg/mL	WB
p-CaMKII	Cell Signaling	12716	Rabbit	0.70 µg/mL	WB
COX IV	Cell Signaling	4844	Rabbit	0.1 µg/mL	WB
Drp1	Cell Signaling	8570	Rabbit	0.03 µg/mL	WB
p-MLC	Cell Signaling	3671	Rabbit	0.025µg/mL	IF
p-FAK	Cell Signaling	3281	Rabbit	0.3 µg/mL	WB
FAK	Cell Signaling	13009	Rabbit	0.07µg/mL	WB
PCNA	Cell Signaling	13110	Rabbit	1ug/mL	IF
HA	Cell Signaling	2367	Mouse	2µg/mL	IF
CaMKII	EMD Millipore	07-1496	Rabbit	2µg/mL	WB
CaMKII	LifeSpan	LS-C100735/5122	Rabbit	15µg/mL	IF
CaMKIIN	Aviva	OAAB07385	Rabbit	15µg/mL	IF
Mitochondria MTC0	Abcam	3298	Rabbit	10µg/mL	IF
MCU	Prestige	HPA016480	Rabbit	1µg/mL	WB
Vinculin	ThermoFisher	MA5-11690	Mouse	7.5µg/mL	IF
Miro-1	Antibodies Online	ABIN635090	Rabbit	1µg/mL	WB
GFP	ThermoFisher	A6455	Mouse	1µg/mL	WB
pSer92 MCU	Anderson Lab, Johns Hopkins	-	Rabbit	5 µg/mL	WB

Cultured Cells

Name	Vendor or Source	Sex (F, M, or unknown)
Primary mouse aortic vascular smooth muscle cells	See all animals above	Male