

Major Resources Tables

Animals

Species/Strain	Vendor or Source	Background Strain	Sex
Cynomolgus monkey	Biomedical Research Foundation (Houston, TX)		Male
Mice /C57Bl/6	Ralf Brandes University of Frankfurt, Germany		Male

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)
ERK 1/2	Cell Signaling Technology	9102	1 µg/ml	
p-ERK 1/2	Cell Signaling Technology	9106	1 µg/ml	
P47phox	William Nauseef, University of Iowa			
P47phox	Merck	07-500	1 µg/ml	
PDI	Thermo Fisher Scientific	MA3019	1 µg/ml	
Na ⁺ /K ⁺ ATPase	Merck	06-520	1 µg/ml	
β-actin	Sigma	A-5441	1ng/ml	
p-Serine	Cell Signaling Technology	2981	1 µg/ml	
ERG	Abcam	ab92513	1 µg/ml	
αSMA-Cy3	Sigma-Aldrich	C6198	1 µg/ml	
IRDye secondary 800 Anti-mouse	Li-Cor	926-32212	0.5ng/ml	
IRDye secondary 800 Anti-rabbit	Li-Cor	926-32213	0.5 ng/ml	
IRDye secondary 680 Anti-mouse	Li-Cor	926-68072	0.5 ng/ml	
IRDye secondary 680 Anti-rabbit	Li-Cor	926-68073	0.5 ng/ml	

Cultured Cells

Name	Vendor or Source	Sex (F, M, or unknown)
Nox1 deficient aortic VSMC	Francis Miller, Duke University, Durham, NC	Male
C57/BL6 aortic VSMC	Francis Miller, Duke University, Durham, NC	Male and Female
Human Embryonic Kidney 293	ATCC	unknown

COS p22phox	Mary Dinauer Washington University, St.Louis, MO	unknown
Rabbit aortic VSMC	Francisco Laurindo, University of São Paulo	unknown

Plasmids

Name	Vendor or Source	
p47phox-roGFP	George G. Rodney, Baylor College of Medicine, Houston, Texas	
PDI mutated in C53,C56, C397, C400	Francisco Laurindo, University of São Paulo, Brazil	
p47phox C196A	Francis Miller, University of Iowa	
p47phox C378A, C196/378A	Lucia Rossetti Lopes, University of São Paulo, Brazil	
p67phox	William Nauseef, University of Iowa	
p47phox	William Nauseef, University of Iowa	
NoxA1	Botond Banfi, University of Iowa	
NoxO1	Botond Banfi, University of Iowa	
Nox1	Botond Banfi, University of Iowa	