

Major Resources Table

To allow validation and replication of experiments, all essential research materials listed in the Methods should be included in the Major Resources Table below. Authors are encouraged to use public repositories for protocols, data, code, and other materials and provide persistent identifiers and/or links to repositories when available. Authors may add or delete rows as needed.

Animals (in vivo studies)

Species	Vendor or Source	Background Strain	Sex	Persistent ID / URL
Sprague-Dawley (SD)	Envigo	Hsd	Female	RRID:RGD_737903
Sprague-Dawley (SD)	Envigo	Hsd	Male	RRID:RGD_737903

Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent - Male					
Parent - Female					

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)	Persistent ID / URL
Phospho-Src Family (Tyr416) (D49G4)	Cell Signaling	6943	1:1,000		AB_10013641
Src (36D10)	Cell Signaling	2109	1:1,000		AB_2106059
Phospho-p44/42 MAPK (ERK 1/2) (Thr202/Tyr204) (D13.14.4E) XP	Cell Signaling	4370	1:1,000		AB_2315112
P44/42 MAPK (ERK 1/2) (137F5)	Cell Signaling	4695	1:1,000		AB_390779
β -Tubulin clone AA2	Millipore	05-661	1:1,000		AB_309885
Anti-rabbit HRP conjugated secondary	GE Healthcare/Cytiva	NA934	1:2,500		AB_772206
Anti-mouse HRP conjugated secondary	GE Healthcare/Cytiva	NA931	1:2,500		AB_772210
Streptavidin Alexa Fluor 488	Invitrogen	S32354	1:2,000		AB_2315383

DNA/cDNA Clones

Clone Name	Sequence	Source / Repository	Persistent ID / URL

Cultured Cells

Name	Vendor or Source	Sex (F, M, or unknown)	Persistent ID / URL
SV40 Large T-Antigen Immortalized Wistar Kyoto (WKY) Renal Proximal Tubule Cells (Passage 23)	Ulrich Hopfer	male	

Data & Code Availability

DOI [to be added]

Description	Source / Repository	Persistent ID / URL

Other

Description	Source / Repository	Persistent ID / URL
Inactin	Sigma	
Ketaset (Ketamine Hydrochloride)	Zoetis Inc.	
AnaSed (Xylazine Hydrochloride)	Akorn, Inc.	
cGMP	Biolog or Sigma	
8-Biotin-11-cGMP	Biolog	
4-N ₃ -PET-8-Biotin-11-cGMP	Biolog	
8-Biotin-11-cAMP	Biolog	
8-N ₃ -6-Biotin-10-cAMP	Biolog	
Rostafuroxin	Dr. Patrizia Ferrari	
Oubain	Sigma	
Bodipy-Ouabain	Invitrogen	
Fenoldopam	Sigma	
SBFI	Molecular Probes	
Mammalian Protein Extraction Reagent	Thermo Scientific	
Halt Protease and Phosphatase Inhibitor	Thermo Scientific	
Restore Western Blot Stripping Buffer	Thermo Scientific	
Bicinchoninic Acid Assay (BCA)	Pierce	
TGX 10% Tris-HCl 18 Well Gels	BioRad	
0.45 Micron Nitrocellulose	BioRad	
ECL Prime Western Blotting Detection Reagent	GE Healthcare/Cytiva	
Opti-MEM Reduced Serum Medium	Gibco	
MyOne Streptavidin T1 Dynabeads	Invitrogen	