

Major Resources Table

In order 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
Mouse	Jackson Laboratory	C57bl/6J	Male	

Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent - Male	Mouse	Dr. Noriyuki Nagahara	C57bl/6J	3-MST KO	
Parent - Female	Mouse	Dr. Noriyuki Nagahara	C57bl/6J	3-MST KO	

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)	Persistent ID / URL
3-MST	Santa Cruz	sc-86170	1:1000		
CSE	Santa Cruz	sc-100583	1:1000		
CBS	Santa Cruz	sc-67154	1:1000		
Anti-mouse IgG	GE Healthcare	NA931V	1:5000		
Anti-Rabbit IgG	GE Healthcare	NA934V	1:5000		
p-BCKDH	Cell Signaling	40368	1:2000		
t-BCKDH	Cell Signaling	90198	1:2000		
PP2Cm	custom made (PMID: 27059949)	n/a	1:2000		
BCKDK	Novus Biologicals	NBP2-15553	1:2000		
Anti-Rabbit-HRP	Cell Signaling	7074S	1:5000		

Data & Code Availability

Description	Source / Repository	Persistent ID / URL

Other

Description	Source / Repository	Persistent ID / URL

DOI [to be added]