

**TAZ deficiency impairs the autophagy-lysosomal pathway through NRF2 dysregulation
and lysosomal dysfunction**

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Supplementary information

This file includes Tables S1–S2

1 **Supplemental Table S1. Antibodies**

Name	Supplier	Cat no.	Clone no.	Purpose
AMPK	Cell Signaling Technology	2532		IB
ATG7	Abcam	ab53325		IB & IHC
β -actin	Santa Cruz Biotechnology	sc-47778	C4	IB
CAT	Ab frontier	LF-MA0010	11A1	IB
CD11b	BD Pharmingen	561690	M1/70	FC
Flag	Sigma-Aldrich	F7425		IB
Flag-M2	Sigma-Aldrich	A2220		IP
GFP	Santa Cruz Biotechnology	sc-9696	B-2	IB
Gr-1	BD Pharmingen	553123	RB6-8C5	FC
HA	Santa Cruz Biotechnology	sc-7392	F-7	IB
HO-1	Abcam	ab13243		IB & IHC
Lamin	Abcam	ab 16048		IB
LAMP1	Santa Cruz Biotechnology	sc-19992	1D4B	IB & IHC
LC3	Sigma-Aldrich	L8919		IB
LC3B	Cell Signaling	3868P	D11	IHC
Myc	Santa Cruz Biotechnology	sc-40	9E10	IB
NRF2	Abcam	ab62352 ab31163	EP1808Y	IP & ChIP IHC
OxyBlot	MERCK Millipore	S7150		IB
OxyIHC	MERCK Millipore	S7450		IHC
p62	MBL	PM045		IB & IHC
p-p62 (S-352)	MBL	PM074		IB & IHC
p-AMPK	Cell Signaling Technology	2531		IB
SRX	Santa Cruz Biotechnology	sc-99076	FL-137	IB & IHC
TAZ	Novus Biologicals	NB 600-220		IB & IHC
TAZ	BD Biosciences	560235	M2-616	IHC
TAZ/YAP	Cell Signaling Technology	#8418	D24E4	IB

2 ChIP, chromatin immunoprecipitation; FC, Flow cytometry; IB, Immunoblot; IF,

3 Immunofluorescence; IHC, Immunohistochemistry; IP, Immunoprecipitation

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5 **Supplemental Table S2. Used primer sequences**

Primers for gene expression analysis		
gene	Direction	sequences
<i>β-actin</i>	forward	5'-agagggaaatcgtgcgtgac-3'
	reverse	5'-caatagtgatgacctggccgt-3'
<i>CAT</i>	forward	5'-tcagccctggagcacagcgtcc-3'
	reverse	5'-cacgcctgtaacatgtgttcca-3'
<i>GSTA</i>	forward	5'-ggagattgatgggatgaagc-3'
	reverse	5'-aacacctttcaaaggcagg-3'
<i>HO-1</i>	forward	5'-taaagcgtctccacgagtg-3'
	reverse	5'-tgttcctctgcagcatcacc-3'
<i>IL-6</i>	forward	5'-gaggataaccactcccaacaga-3'
	reverse	5'-aagtgcacatcgtgttcataca-3'
<i>MCP1</i>	forward	5'-cttctgggcctgctgttca-3'
	reverse	5'-ccagcctactcattgggatca-3'
<i>MIP1α</i>	forward	5'-tgtttctgccaagtagccac-3'
	reverse	5'-aacagtgtgaacaactgggag-3'
<i>SRX</i>	forward	5'-agtgcagagcctggtg-3'
	reverse	5'-tgcagctgctggtaggctg-3'
<i>TAZ</i>	forward	5'-gtcaccaacagtagctcagatc-3'
	reverse	5'-agtgattacagccagggttagaaag-3'
<i>TNFα</i>	forward	5'-catcttctcaaattcgagtgacaa-3'
	reverse	5'-tgggagtagacaagggtacaaccc-3'
Biotin-labelled primers for DNA pulldown assay		
<i>SRX</i> -ARE wt	top	5'-biotin-tgtctcactctgacctagctg-3'
	bottom	5'-gcagctaggctcagagtgagac-3'
<i>SRX</i> -ARE mt	top	5'-biotin-tgtctcactccagcctagctg-3'
	bottom	5'-gcagctaggctggagtgagac-3'
<i>NQO1</i> -ARE	top	5'-biotin-tcacagtgactcagcagaat-3'
	bottom	5'-aattctgctgagtcactgtg-3'
ChIP-qPCR primers of <i>srx</i> and <i>nqo1</i> promoter		
<i>SRX</i> promoter	forward	5'-tgagtcaccacgctgtgcgtc-3'
	reverse	5'-acgctgtgatcctacctg-3'
<i>NQO1</i> promoter	forward	5'-ctaactactaactaaaggctcagaga-3'
	reverse	5'-cacagccacataattcaatacct-3'

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