

PARP14 and PARP9/DTX3L regulate interferon-induced ADP-ribosylation

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Appendix Table S1: sgRNA used for knockout generation

Guide	Sequence 5'-3'
PARP14 002	CGGCGAGTGTGAGGTCCGCC
PARP14 001	CTCCCGACCTCTTCGGGCTC
PARP14 003	CGGCGAGTGTGAGGTCCGCC
DTX3L 1	CACCACAAAACATCCCGGTTTGG
DTX3L 2	AATACGGCAATTTCTGGATGTGG

Appendix Table S2: Antibodies used in this study

Target	Host	Company	Reference	Dilution in WB	Dilution in IF	Dilution in IP
PARP14	Rabbit	Abcam	Ab229756	1:1000	-	-
PARP9	Rabbit	Millipore	AB10618	1:1000	1:500	-
DTX3L	Mouse	Santa Cruz	Sc-1000627	1:1000	-	-
STAT1	Rabbit	Cell Signaling	9172	1:3000	-	-
pSTAT1 (Tyr701)	Rabbit	Cell Signaling	7649	1:3000	-	-
GAPDH	Mouse	Merck	MAB374	1:3000	-	-
mono-ADPr (HRP) AbD43647 (HRP coupled)	-		Longarini et al 2023	1:3000/1:5000	-	-
mono-ADPr AbD43647 (IgG coupled)	Mouse		Longarini et al 2023	-	1:1000	-
STAT6	Rabbit	Cell Signaling	9362	1:2000	-	-
Histone H3	Rabbit	Sigma-Aldrich	06-755	1:4000	-	-
FLAG	Rabbit	Sigma-Aldrich	F7425	1:3000	-	-
poly/mono ADPr	Rabbit	Cell Signaling	83732	1:1000	1:500	-
PARP14	Rabbit	This study	N/A	-	15 µg/mL	1:100
PARP14	Rabbit	Abcam	ab224352	-	1:100	-
GFP	Rabbit	Abcam	Ab290	1:3000	-	-
GFP	Mouse	Rockland	600-301-215	-	1:100	-
beta Tubulin	Rabbit	Abcam	ab6046	1:3000	-	-
Ubiquitin	Mouse	Santa Cruz	Sc-8017		1:100	-
Ubiquitin	Rabbit	Abcam	Ab134953	-	1:100	-
Anti-mouse Alexa Fluor 488	Goat	Thermo Fisher Scientific	A28175	-	1:500	-
Anti-rabbit Alexa Fluor 647	Donkey	Thermo Fisher Scientific	A32795	-	1:500	-
HRP-conjugated anti-mouse	Goat	Agilent	P0447	1:3000	-	-
HRP-conjugated anti-rabbit	Swine	Agilent	P0399	1:3000	-	-
IgG Isotype Control	Rabbit	Invitrogen	02-6102	-	-	1:300

Appendix Table S3: qPCR primers used in this study

Gene	Forward (5'-3')	Reverse (5'-3')
HPRT1	GCGTCGTGATTAGCGATGATG	CTCGAGCAAGTCTTTCAGTCC
GAPDH	AAATCAAGTGGGGCGATGCTG	GCAGAGATGATGACCCTTTTG
PARP14	CTGCAGTCCGGCGGAGAG	TTTGGTCTTGATTCTTTTGTAGAAAGTTC
PARP12	TCAAGAATAAGAGCTCTGCCCC	TGATCACCCCTCCTCCTGGCT