

Supporting Information for

Effects and Mechanism of Nicotinamide Against UVA- and/or UVB-mediated DNA Damages in Normal Melanocytes

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Table S1. Antibodies used for western blotting (WB) or immunofluorescence (IF).

Gene Name	Supplier	Catalog Number	WB Dilution	IF Dilution	Molecular Weight (kDa)
NRF2	Cell Signaling	12721	1:1000		97-100
KEAP1	Cell Signaling	4617	1:1000		60
β -Actin	Cell Signaling	4970	1:1000		42
CPD	Cosmo Bio	NM-DND-001		1:150	n/a
8oxoG	Abcam	ab62623		1:333	n/a
Alexa Fluor 594	Life Technologies	A-11020		1:100	n/a

Table S2. Primer sequences used for RT-qPCR analysis.

Gene	Amplicon size (bp)	Primer orientation	Primer Sequence (5' - > 3')	Length	Tm	Primer Bank ID
DDB1	83	F	ACCGGACACTTTACTTCGGC	20	62.1	148529013c2
		R	TCGGCGGTGACCACATAGA	19	62.7	
DDB2	87	F	CCTTCATCAAAGGGATTGGAGC	22	61.0	164419759c3
		R	TTGAGGAGGCGTAAAAGTGGT	21	61.3	
OGG1	117	F	ATGGGGCATCGTACTCTAGC	20	60.9	197276609c1
		R	CTCCCTCCACCGGAAAGAT	19	60.4	
ERCC1	76	F	CCTTATTCCGATCTACACAGAGC	23	60.0	260593723c1
		R	TATTCGGCGTAGGTCTGAGGG	21	62.8	
ERCC2	121	F	AGAAGGTGATTGAAGAGCTTCG	22	60.0	195947406c2
		R	ACCTCAGGGTGAATACACAAGT	22	60.7	
CDK7	97	F	GGAGCCCCAATAGAGCTTATACA	23	61.0	161016768c2
		R	TCCACACCTACACCATACATCC	22	60.9	
SIRT1	160	F	TAGCCTTGTCAGATAAGGAAGGA	23	60.0	215982797c1
		R	ACAGCTTCACAGTCAACTTTGT	22	60.2	
TP53	125	F	CAGCACATGACGGAGGTTGT	20	62.4	371502118c1
		R	TCATCCAAATACTCCACACGC	21	60.1	
GAPDH	101	F	CTGGGCTACACTGAGCACC	19	62	378404907c3
		R	AAGTGGTCGTTGAGGGCAATG	21	62.9	
ACTB	135	F	CACCATTGGCAATGAGCGGTTC	22	67.5	Origene# HP204660
		R	AGGTCTTTGCGGATGTCCACGT	22	65.9	