

Supplementary Materials

# Morin Hydrate Reverses Cisplatin Resistance by Impairing PARP1/HMGB1-Dependent Autophagy in Hepatocellular Carcinoma

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**Table S1.** List of antibodies for Western blot analysis.

Antibodies	Dilution Used	Source	Catalog No.
$\beta$ -actin	1:1000	Santa Cruz Biotechnology	sc-1616
Lamin B	1:1000	Santa Cruz Biotechnology	sc-6217
ERCC1	1:1000	Santa Cruz Biotechnology	sc-17809
ABCB-1	1:1000	Santa Cruz Biotechnology	sc-104019
HMGB-1	1:1000	Cell signalling	#3935
PARP-1	1:1000	Santa Cruz Biotechnology	sc-7150
PAR	1:1000	Calbiochem	AM80
SOD-1	1:1000	Santa Cruz Biotechnology	sc-11407
SOD-2	1:1000	Santa Cruz Biotechnology	sc-30080
Catalase	1:1000	Santa Cruz Biotechnology	sc-50508
Glutathione reductase	1:1000	Santa Cruz Biotechnology	sc-32886
JNK	1:1000	Santa Cruz Biotechnology	sc-571
p-JNK	1:1000	Santa Cruz Biotechnology	sc-12882
Bcl-2	1:1000	Cell signalling	#2876
p38	1:1000	Santa Cruz Biotechnology	sc-535
p-P38	1:1000	Santa Cruz Biotechnology	sc-17853-R
p53	1:1000	Santa Cruz Biotechnology	sc-6243
PUMA	1:1000	Santa Cruz Biotechnology	sc-28226
Cyt C	1:1000	Cell signalling	#4272
Casp-9	1:1000	Santa Cruz Biotechnology	sc-7885
Casp-3	1:1000	Santa Cruz Biotechnology	sc-7148
H2A.X	1:1000	Santa Cruz Biotechnology	sc-517336
LC3I/II	1:500	Abcam	ab58610
ATG-5	1:1000	Cell Signalling	#12994
ATG-7	1:1000	Cell Signalling	#8558
BECN-1	1:1000	Cell Signalling	#3495
p-62	1:1000	Cell Signalling	#5114
PI3-Kinase p85 $\alpha$	1:1000	Santa Cruz Biotechnology	sc-1637

**Table S2.** Sequences of RT-PCR oligonucleotide primers.

Gene	Direction	Sequences
<i>Cyt c</i>	Forward	5'- CAA CAC CTC TCA CAT CTT AC-3'
	Reverse	5'-TCC CCA ATC AAA TAC ACA GTT-3'
<i>Casp-3</i>	Forward	5'- GTG CTA CAA TGC CCC TGG AT-3'
	Reverse	5'- GCC CAT TCA TTT ATT GCT TTC C-3'
<i>PARP-1</i>	Forward	5'-TTC ACA TAT CAG CAA GTT ACC-3'
	Reverse	5'-CCT GAG CAA TAT CAT AGA CAA T-3'
<i>BECN-1</i>	Forward	5'-TGG CAC AAT CAA TAA CTT CA-3'
	Reverse	5'-TAA GGA ACA AGT CGG TAT CT-3'
<i>LC3II</i>	Forward	5'-GAG GTG TAT GAG AGT GAG AA-3'
	Reverse	5'-CTG TGA TTG GAT GAA CTG AT-3'
<i><math>\beta</math>-actin</i>	Forward	5'-AAC TAC CTT CAA CTC CAT CA-3'
	Reverse	5'-GAG CAA TGA TCT TGA TCT TCA-3'

**Table S3.** Sequences of SiRNA for ATG5.

Gene	Direction	Sequences
<i>Atg5</i>	Sense	5'- ACGCUAAAAGGCUUACAGUAUCAGA-3'
	Antisense	5'-UCUGAUACUGUAAGCCUUUAGCGUAC-3'



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