

# الكشف عن بعض الجينات المثبطة للانتحار الخلوي وإيقاف تعبيرها الجيني بواسطة تقنية RNA التداخلي في بعض خطوط خلايا السرطان الحيوانية

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# **Detection and Suppression of Some Anti Apoptosis Gene Expression by RNAi Approach in Different Animal Cancerous Cell Lines**

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## **LIST OF ABBREVIATIONS**

BC	Breast cancer
BIR	Baculovirus IAP repeat
BIRC	BIR-containing
BIRC1	Baculoviral IAP repeat-containing protein 1
BIRC2	Baculoviral IAP repeat-containing protein 2
BIRC3	Baculoviral IAP repeat-containing protein 3
BIRC4	Baculoviral IAP repeat-containing protein 4
BIRC5	Baculoviral IAP repeat-containing protein 5
BIRC6	Baculoviral IAP repeat-containing protein 6
BIRC7	Baculoviral IAP repeat-containing protein 7
BIRC8	Baculoviral IAP repeat-containing protein 8
BRCA1	Breast cancer susceptibility gene 1
BRUCE	Baculoviral IAP repeat-containing ubiquitin conjugating enzyme
CaCo-2	colon cancer cell line
CDK4	Cyclin-dependent kinase 4
cDNA	Complimentary dioxy nucleotide acetic acid
c-IAP1,2	Cellular- Inhibitor of apoptosis proteins
DMEM	Dulbecco's Modified Eagle Medium
dsRNA	Double-stranded RNA
dsRNA	Double-stranded RNA
EDTA	Ethylenediaminetetraacetic acid
ELISA	Enzyme-Linked Immunosorbent Assay
HCC	Hepatocellular carcinoma
HeLa	<u>Henrietta Lacks</u> (cervical cancer cell line)
Hep-G2	hepaticellular carcinoma cell line
HPV	Hereditary NonPolyposis Colorectal Cancer
IAPs	Inhibitor of apoptosis proteins
IGF-1	Insulin - like growth factor 1
MAbs	Monoclonal antibodies
MCF-7	Michigan Cancer Foundation – 7
MCF-7	Michigan Cancer Foundation – 7 (Breast cancer cell line)
mRNA	Messenger ribo nucleotide acetic acid



MTT Assay	3-(4, 5-dimethylthiazolyl-2)-2, 5-diphenyltetrazolium bromide
NCCD	Nomenclature Committee on Cell Death
NSCLCs	Nonsmall cell lung carcinomas
PBS	Phosphate Buffer Saline
PCD	Programmed cell death
PCR	Polymerase Chain Reaction
PS	Phosphatidylserine
RISC	RNA-induced silencing complex
RLT	RNA Lysis Tissues and cells buffer
RNAi	Raibo Nuclease acetic acid interference
RT	Reverse Transcription
SATB1	Special AT- rich sequence binding protein 1
SCLC	Small cell lung cancer
siRNAs	Small interfering RNAs
Smac	Second mitochondria-derived activator of caspase
SOS1	Son of Sevenless Homolog 1
TAS-ELISA	Triple Antibody Sandwich ELISA
XIAP	X-linked Inhibitor of apoptosis proteins
β-ME	β-mercaptoethanol

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