

Abbreviations:

ABCB1- ATP-Binding Cassette Sub-Family B member 1	DBD- DNA Binding Domain
ACD- Autophagic Cell Death	DCFDA- 2',7'-dichlorodihydrofluorescein diacetate
ADT- Androgen Deprivation Therapy	DHT- dihydrotestosterone
AF-1- Activation Function-1	DNA- Deoxyribo Nucleic Acid
AIPC-Androgen Independent Prostate Cancer	DNA-DEOXYRIBONULEIC ACID
AMP-Adenosine Monophosphate	DNMT -DNA methyltransferase
AMPK- AMP-activated protein kinase	DNMT- DNA Methyltransferase
Apaf-1- Apoptotic protease activating factor-1	DRE- Digital Rectal Examination
APC- Adenomatous Polyposis Coli	EMT- Epithelial–Mesenchymal Transition
AR -androgen receptor	Eno2- enolase 2
ARV7-Androgen Receptor Splice Variant 7	FasL -Fas ligand
ATG101- autophagy related gene 101	FBS- FETAL BOVINE SERUM
ATG13- autophagy related gene 13	FDA- Food and Drug Administration
ATM- ataxia-telangiectasia-mutated	FOXA1- Forkhead Box A1
ATP- Adenosine Triphosphate	GABARAP- Gamma-Aminobutyric Acid (GABA)-A- Receptor-Associated Protein
Bcl-2- B-Cell Lymphoma 2	GLOBOCAN-
BET- Bromodomain and Extra Terminal	GRIP1- Glucocorticoid Receptor-Interacting Protein 1
Bim- B cl-2 I nteracting M ediator of cell death	GSTP1- Glutathione S-Transferase Pi Gene 1
BPH- Benign Prostatic Hyperplasia	HAPLN3- Hyaluronan And Proteoglycan Link Protein 3
BRCA1- Breast Cancer Gene 1	HAT- Histone Acetyl Transferase
BRCA2- Breast Cancer Gene 2	HDAC- Histone Deacetylase
CDC -Centres for Disease Control and Prevention	HPV-Herpes simplex virus
CDK12- Cell Cycle-Dependent Protein Kinase	HRS-HOURS
CDKN1B- Cyclin Dependent Kinase Inhibitor 1b	IC ₅₀ : Half maximal inhibitory concentration
C-DNA- complementary DNA	IL-6-. Interleukins-6
CHD1- Chromodomain Helicase DNA Binding Protein 1	JNK1- C-Jun N-terminal protein kinase 1
CHEK2- Checkpoint kinase 2	KDM- Histone Lysine Demethylase
CK18-cytokeratin-18	KLF8- Krüppel-Like Factor 8
CK8-cytokeratin-8	KLK3- Kallikrein-Related Peptidase 3
CMA- chaperone-mediated autophagy	KMT- Lysine Methyl Transferase
CRPC- Castration-Resistant Prostate Cancer	LBD-Ligand Binding Domain
CSC- CANCER STEM CELLS	LC3- Light Chain 3
CSS-CHARCOAL STRIPPED SERUM	LDHA- Lactic Dehydrogenase
CTC- Circulating Tumor Cells	LH- Luteinizing hormone
CTNNB1- Catenin Beta-1	LHRH- Luteinizing Hormone–Releasing Hormone
CTSCs- Circulating Tumor Stem-like Cells	LKB1- Liver Kinase B1
CYP17A1- Cytochrome P450 Family 17 Subfamily A Member 1	MAP1LC3- microtubule associated protein 1 light chain 3
CZ -central zone	MATE1- Multidrug and Toxin Extrusion 1
DAPI-4',6-diamidino-2-phenylindole	mCRPC – Metastasis Castration-Resistant Prostate Cancer
	MDM2- Mouse Double Minute-2
	mM-Milli Molar

MOMP- Mitochondrial Outer Membrane Permeabilization
mTOR- Mammalian Target of Rapamycin
MTT- 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
NAD- Nicotinamide adenine dinucleotide
NADH- Nicotinamide adenine dinucleotide Hydroxide
NE-Neuro endocrine
ng/mL-nanogram/mililitre
NKX3.1- NK3 Homeobox 1
nM-Nano Molar
NR3C4- ANDROGEN RECEPTOR
NTD- N-Terminal Domain
oct1/3- Organic Cation Transporter 1/3
OXPHOS- Oxidative Phosphorylation
PAP-Prostatic Acid Phosphatase
PARP1- Poly [ADP-ribose] polymerase 1
PBCR- Population-Based Cancer Registries
PBS-PHOSPHATE BUFFER SALINE
PCa-Prostate Cancer
PCOS- Polycystic Ovary Syndrome
PDH -Pyruvate Dehydrogenase
PENSTERP- penicillin-streptomycin
PFA-PARAFORMALDEHYDE
PIA- Proliferative Inflammatory Atrophy
PIK3C3- Phosphoinositide 3-Kinases
PIN- Prostatic Intraepithelial Neoplasia
PMAT- Plasma Monoamine Transporter
PSA- Prostate Specific Antigen
PtdIns3K- Phosphatidylinositol 3-Kinase
PTEN- Phosphatase and tensin homolog
PTGS2-Prostaglandin-Endoperoxide Synthase 2
PUMA- p53 Upregulated Modulator of Apoptosis
PZ- peripheral zone
RASSF1A- Ras Association Domain-Containing Protein 1
RB1-Retino Blastoma 1
RB1CC1- RB1 -inducible coiled-coil 1
RNA-RIBONUCLEIC ACID
ROS-REACTIVE OXYGEN SPECIES
RP- prostatectomy
SMRT- Silencing Mediator for Retinoid and Thyroid hormone receptors
SNARE- soluble N-ethylmaleimide-sensitive factor-activating membrane fusion protein
ASR- Age-Standardised Rate
SPOP- Speckle-Type POZ Protein
SRC1- Steroid Receptor Coactivator-2
STAT- Signal Transducer and Activator of Transcription
TAU- Tubulin Associated Unit
TBS- TRIS BUFFER SALINE
TBST-TRIS BUFFER SALINE AND TWEEN 20
TCA- Tricarboxylic Acid
TGF- β - Transforming Growth Factor Beta
TIF2- Transcriptional Mediators/Intermediary Factor
TMPRSS2- Transmembrane Protease, Serine 2
TNBC-Triple-Negative Breast Cancer
TNFR1- Tumor Necrosis Factor Receptor 1
TNF- α - Tumor Necrosis Factor α
TNM systems- Tumor, Lymph node (N) and Metastasis
Trop2-tumor-associated calcium signal transducer 2
TSC-1- tuberous sclerosis 1
TZ- Transition zone
ULK1- unc-51 like autophagy activating kinase 1
VEGF-A- Vascular endothelial growth factor A
VPS34- Vacuolar Protein Sorting 34
WNT- Wingless and Int-1
WT1 -Wilms' tumor gene 1
ZEB1- Zinc Finger E-Box Binding Homeobox 1
ZNF292- Zinc Finger Protein