

## **Human Cancer Drug Targets PCR Array**

**Apoptosis:** BCL2, BIRC5.

**PI-3 Kinases & Phosphatases:** MTOR, PIK3C2A, PIK3C3, PIK3CA.

**Growth Factors & Receptors:** EGFR, ERBB2, ERBB3, ERBB4, FIGF, FLT1, FLT4, IGF1, IGF1R, IGF2, KDR  
PDGFRA, PDGFRB.

**Drug Metabolism:** ABCC1, GSTP1, PTGS2, TXN, TXNRD1.

**G Protein Signaling:** RHOA, RHOB.

**Hormone Receptors:** ESR1, ESR2, PGR.

**Heat Shock Proteins:** HSP90AA1, HSP90B1.

**Receptor Tyrosine Kinase Signaling:** AKT1, AKT2, GRB2.

**Cathepsins:** CTSB, CTSD, CTSL1, CTSS.

**Cell Cycle:** CDK1, CDC25A, CDK2, CDK4, CDK5, CDK7, CDK8, CDK9, MDM2, MDM4, TERT.

**Topoisomerases, Type II:** TOP2A, TOP2B.

**Transcription Factors:** ATF2, HIF1A, IRF5, NFKB1, TP53.

**Protein Kinases:** AURKA, AURKB, AURKC, PLK1, PLK2, PLK3, PLK4, PRKCA, PRKCB, PRKCD, PRKCE.

**RAS Signaling:** HRAS, KRAS, NRAS.

**Histone Deacetylases:** HDAC1, HDAC11, HDAC2, HDAC3, HDAC4, HDAC6, HDAC7, HDAC8.

**Poly ADP-Ribose Polymerases:** PARP1, PARP2, PARP4, TNKS.

**Structural Protein:** NTN3.

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