

Human Oxidative Stress PCR Array
Antioxidants:
<u>Glutathione Peroxidases (GPx)</u> : GPX1, GPX2, GPX3, GPX4, GPX5, GPX6, GPX7, GSTP1, GSTZ1.
<u>Peroxiredoxins (TPx)</u> : PRDX1, PRDX2, PRDX3, PRDX4, PRDX5, PRDX6 (AOP2).
<u>Other Peroxidases</u> : CAT, CYBB, CYGB, DUOX1, DUOX2, EPX, LPO, MGST3, MPO, PTGS1, PTGS2 (COX2), PXDN, TPO, TTN.
<u>Other Antioxidants</u> : ALB, APOE, GSR, MT3, SELS, SOD1, SOD3, SRXN1, TXNRD1, TXNRD2.
Genes Involved in Reactive Oxygen Species (ROS) Metabolism:
<u>Superoxide Dismutases (SOD)</u> : SOD1, SOD2, SOD3.
<u>Other Genes Involved in Superoxide Metabolism</u> : ALOX12, CCS, DUOX1, DUOX2, GTF2I, MT3, NCF1, NCF2, NOS2 (iNOS), NOX4, NOX5, PREX1, UCP2.
<u>Other Genes Involved in ROS Metabolism</u> : AOX1, BNIP3, EPHX2, MPV17, SFTPD.
<u>Oxidative Stress Responsive Genes</u> : APOE, ATOX1, CAT, CCL5 (RANTES), CYGB, DHCR24, DUOX1, DUOX2, DUSP1 (PTPN16), EPX, FOXM1, FTH1, GCLC, GCLM, GPX1, GPX2, GPX3, GPX4, GPX5, GPX6, GPX7, GSR, GSS, HMOX1, HSPA1A, KRT1, LPO, MBL2, MPO, MSRA, NQO1, NUDT1, OXR1, OXSR1, PDLIM1, PNKP, PRDX2, PRDX5, PRDX6 (AOP2), PRNP, RNF7, SCARA3, SELS, SEPP1, SIRT2, SOD1, SOD2, SQSTM1, SRXN1, STK25, TPO, TTN, TXN, TXNRD1, TXNRD2.
Oxygen Transporters : CYGB, MB.