

Human NFκB Signaling Pathway PCR Array

NFκB Pathway:

Ligands and Receptors: CD27 (TNFRSF7), CD40 (TNFRSF5), EGFR, F2R, FASLG (TNFSF6), IL10, IL1A, IL1B, IL1R1, IL8, LTBR, NOD1 (CARD4), TLR1, TLR2, TLR3, TLR4, TLR6, TLR9, TNF, TNFRSF1A, TNFRSF10A, TNFRSF10B, TNFSF10, TNFSF14.

Downstream Signaling: BIRC2 (c-IAP2), FADD, IRAK1, IRAK2, IRF1, MYD88, RIPK1, TBK1, TICAM1 (TRIF), TICAM2, TNFAIP3, TRADD, TRAF2, TRAF3, TRAF6.

Cytoplasmic Sequestering/Releasing of NFκB: BCL3, CHUK (IKKα), IKBKB, IKBKE, IKBKG, NFKBIA, NFKBIB (TRIP9), NFKBIE.

Transcription Factors: NFKB1, NFKB2, REL, RELA, RELB.

NFκB Responsive Genes:

Immune Response: CCL2 (MCP-1), CCL5 (RANTES), CSF1 (MCSF), CSF2 (GM-CSF), CSF3 (GCSF), ICAM1, IFNA1, IFNG, IL8, LTA (TNFB), TNF.

Apoptosis: AGT, BCL2A1 (BCL-X), BCL2L1, BIRC3 (c-IAP1).

Other Factors Involved in NFκB Pathway:

Kinases: AKT1, MAP3K1, RAF1.

Transcription Factors: ATF1, EGR1, ELK1, FOS, JUN, STAT1.

Other Genes: BCL10, CARD11, CASP1 (ICE), CASP8, CFLAR (CASPER), HMOX1, MALT1, PSIP1, RHOA, TIMP1.