TNF SIGNALING PATHWAY Leukocyte recruitment Apoptosis K14624 K14625 K04397 K02373 K05505 K05505 K05505 Apoptosis K02187 K04398 K12671 K05508 Cxcl5 Leukocyte activation K05427 🟲 cIAP1/2 degradation K05632 K04724 Surface receptors K05173 K04390 Jag1 MAPK signaling pathway Inflammatory cytokines +u K03156... Intracellular signaling (negative) K04403... K04734 K03172 K03171 K03158 Intracellular signaling (positive) DNA K04415 K04735... Transcription factors K09558 K09028 Ubiquitin mediated proteolysis Remodeling of extracellular matrix K01394 K04734 IκBα ubiquitination and degradation V ascular effects K16366 Vegfc K04735... K07210 DNA PRRS Deubiquitination NF-kappa B signaling pathway Cell adhesion K06527 Necroptosis Synthesis of inflammatory mediators Necrosome PI3K-Akt signaling pathway K04735... K04466 K04734 K07210... Degradation (Limited expression) K05141 → Cell survival K03174 Apoptosis

04668 5/27/13 (c) Kanehisa Laboratories