NF-κB Pathway International Corporation Bacterial www.mblintl.com Antigens MALP **PGN LPS** IL-1 Antigen TNF Antigen Growth **BAFF** 7 LT-β **Factors** CD40L BCR BAFFR TCR βR CD40 LT-βR TOLLIP Vav PACT **BLK** TRAF6 TRADD! RIP MyD88 ZAP70 Lyn **PKC** MyD88 Fyn PI3K **FADD IRAK TRAFs TRAFs IRAK** RIP Virus **PKC** dsRNA **BIMP** Akt/ PKB NIK TAK1 BCL10 TRAF6 MALT **MEKKs PKR PKR** ΙΚΚ-α ΙΚΚ-β ΙΚΚ-γ P p100 P P ΙκΒs NF-κΒ P NF-κB ABIN2 p100 p105 lκBs P IκBs NF-κB p65 p50 lκΒs p65p50 NF-κB NF-κB P lκBs κ-BRas Tpl2 p105 p65 p52 RelB_{p52} c-Rel_{p50} p105 p100 Processing Ub Ub Processing Ub Ub κ-BRas Ub Ub Tpl2 Ub IκBs Ub IκBs C-terminus lκBs Ub IκBs P Ub Ub Ub Ub Ub Ub (Ub) p50 Tpl2 Ub V (Ub P Ub Ub IκBs Degradation p50 C-terminus Ub **∠IKBs** P Ub P **IKBs** IKBs) **Proteasomal** Proteasomal Proteasomal Proteasome Degradation MEK C-terminus Degradation Degradation Degradation IKBs Proteasomal **ERK** Nuclear Degradation **Export ERK** NF-κΒ NF-κΒ NF-κΒ C-terminus Signaling NF-κB Degradation IkBs Proteasomal c-Rel p50 p65 p52 RelB p52 Degradation lκBs Nuclear Acetylation **Import** NF-κB p50 p50 p52 p52 HDAC3 NF-κB CBP p300 Deacetylation Transcription Transcription Copyright ProteinLounge.com