NF-κB Pathway

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Growth Factors
Growth Factor Receptor
PI3K
TNF
TNFR
TRADD
RIP
TRAFs
FADD
IL-1
IL-1R
TRAF6
MyD88
IRAK
LPS
MALP
PGN
TLRs
TOLLIP
MyD88
IRAK
MHC
Antigen
TCR
Vav
PLCγ
Lck
ZAP70
Rac/Rho
Bacterial Antigens
PACT
PKR
PKR
dsRNA
Virus
Antigen
BCR
Fyn
Lyn
BLK
PI3K
BAFF
BAFFR
LT-β
LT-βR
CD40L
CD40
TRAFs
PLC
NIK
Pellino
UEV1A
Ubc13
TRAF6
MLK3
PKC
Akt/
PKB
MEKKs
NIK
TAK1
TAB1/2
BCL10
BIMP
MALT
PKC
Stress, UVs,
Ischemia, Shear
IKK-α
IKK-β
IKK-γ
PKCζ
GSK3β
MSK1
NAP1
NAK
CK2
JNK
RSK1
PKAC
P
IκBs
NF-κB
p65 p50
κ-BRas
β-TRCP
Ub
IκBs
Proteasome
IκBs
Proteasomal
Degradation
Nuclear
Export
Nuclear
Import
NF-κB
IκBs
NF-κB
c-Rel p50
NF-κB
p65 p52
NF-κB
RelB p52
p105
ABIN2
p105
Tpl2
p105
Processing
p50
p50
Tpl2
Tpl2
Degradation
MEK
ERK
ERK
Signaling
p100
p100
P
p100
Processing
C-terminus
C-terminus
Degradation
Acetylation
HDAC3
NF-κB
p65 p50
CBP
p300
Deacetylation
Transcription
BCL3
NF-κB
p50 p50
NF-κB
p52 p52
Transcription
Sumo
IKK-γ
IKK-γ
Sumo
PIASγ
ATM
PARP1
Genotoxic
Stress
CK2
p38
UV

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