Immunoway

IL-2 Gene

NFAT

Fos

Jun

NF-κB

Rel

Nucleus

Cytoplasm

Nuclear Membrane

Proteasomal Degradation

IχB

Erk

MEK1/2

Raf

Ras

RasGRP

DAG

PIP2

NF-κB

IκBβ

Rel

IKKα

IKKβ

IKKγ

NIK

MEKKK

Mat1

Bcl10

Carma1

PKCθ

Akt

PIP3

PI3K

Lck

CD4

CD45

CD28

Zap-70

ξ

ξ

α

β

δ

ε

ε

γ

TCR/CD3 Complex

PLCγ1

SOS

ADAP

Grb2

NCK

GADS

SLP76

VAV

LAT

Clustering

Actinin

Talin

F-Actin

LFA-1

CRAC Channel

Ca2+

Calcineurin

CaM

Calpain

Wasp

Rac/cdc42

MEKK

p38

JNK

MKK3/6

MKK4/7

IP3R

IP2

Intracellular Ca2+ Store

Proteasomal Degradation

IκBβ

NFAT