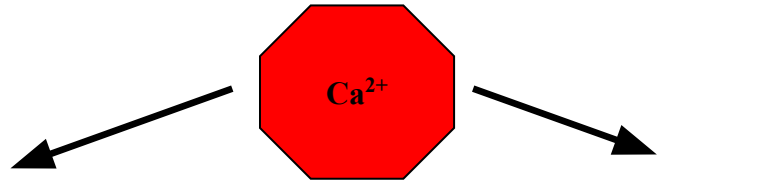


Calcium signaling



Calmodulin-dependent proteins

- serine-threonine kinases (MLCK (myosin light chain kinase), CaMK2)
- calcineurin (phosphatase, NF-AT activator)
- Adenylate cyclase 1, 3, 8
- eNOS and nNOS
- Ca-dependent ionic channels, Ca-dependent ATPases

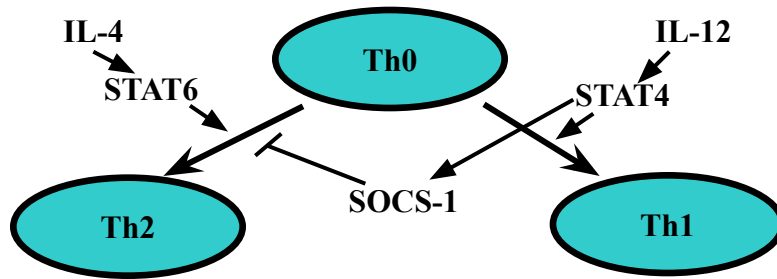
Other proteins

- Troponin C
- Pyk tyrosine kinase
- Typical PKC
- PLC
- Calpain (protease)
- Cytoskeleton-binding proteins (gelsolin, α -actinin)
- Recoverin

Signaling regulators of growth factor receptors endocytosis and membrane recycling

- receptor tyrosine kinase
- *c-Src*
- PI-3 kinases (classes 1 and 3)
- *c-Cbl*
- mono-ubiquitination

T-helper cells differentiation



GPCR inactivation and degradation

