





ERK1

'intrac. casc.' AND starts_w SOME ('*kin. ac.'* AND init SOME ('*kin.ac.'* AND init SOME 'MAPK ac.'))



'blank nodes' - equivalent to pre-coordinated class

manifesting a particular instance of the MAPK cascade - filling in one blank node - input is constrained

B cell prolif. TF activity init has cat. erk1

intracellular cascade kinase activity kinase activity kin. ac. MAPK prot.

Ξ

'intracellular cascade' AND starts_with SOME ('rp s/t kinase activity'AND initiates SOME ('kinase activity'AND iniates SOME ('kinase activity AND has_input SOME 'MAPK protein')))