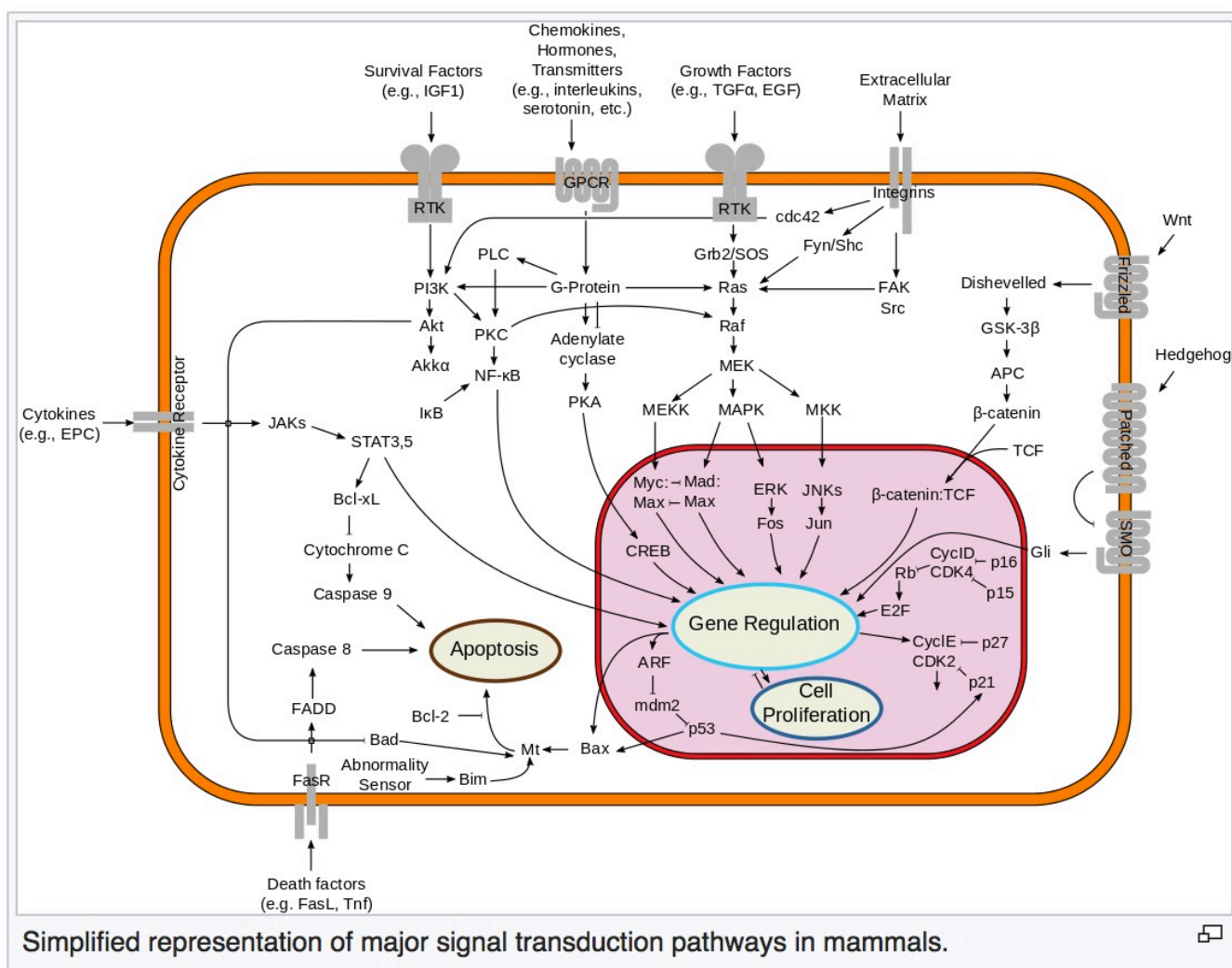


JAK

see [JAK2](#)

Janus kinase (JAK) is a family of intracellular, nonreceptor tyrosine kinases that transduce cytokine-mediated signals via the [JAK-STAT signaling pathway](#). They were initially named “just another kinase” 1 and 2 (since they were just two of a large number of discoveries in a PCR-based screen of kinases, but were ultimately published as “Janus kinase”. The name is taken from the two-faced Roman god of beginnings and endings, Janus, because the JAKs possess two near-identical phosphate-transferring domains. One domain exhibits the kinase activity, while the other negatively regulates the kinase activity of the first.



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