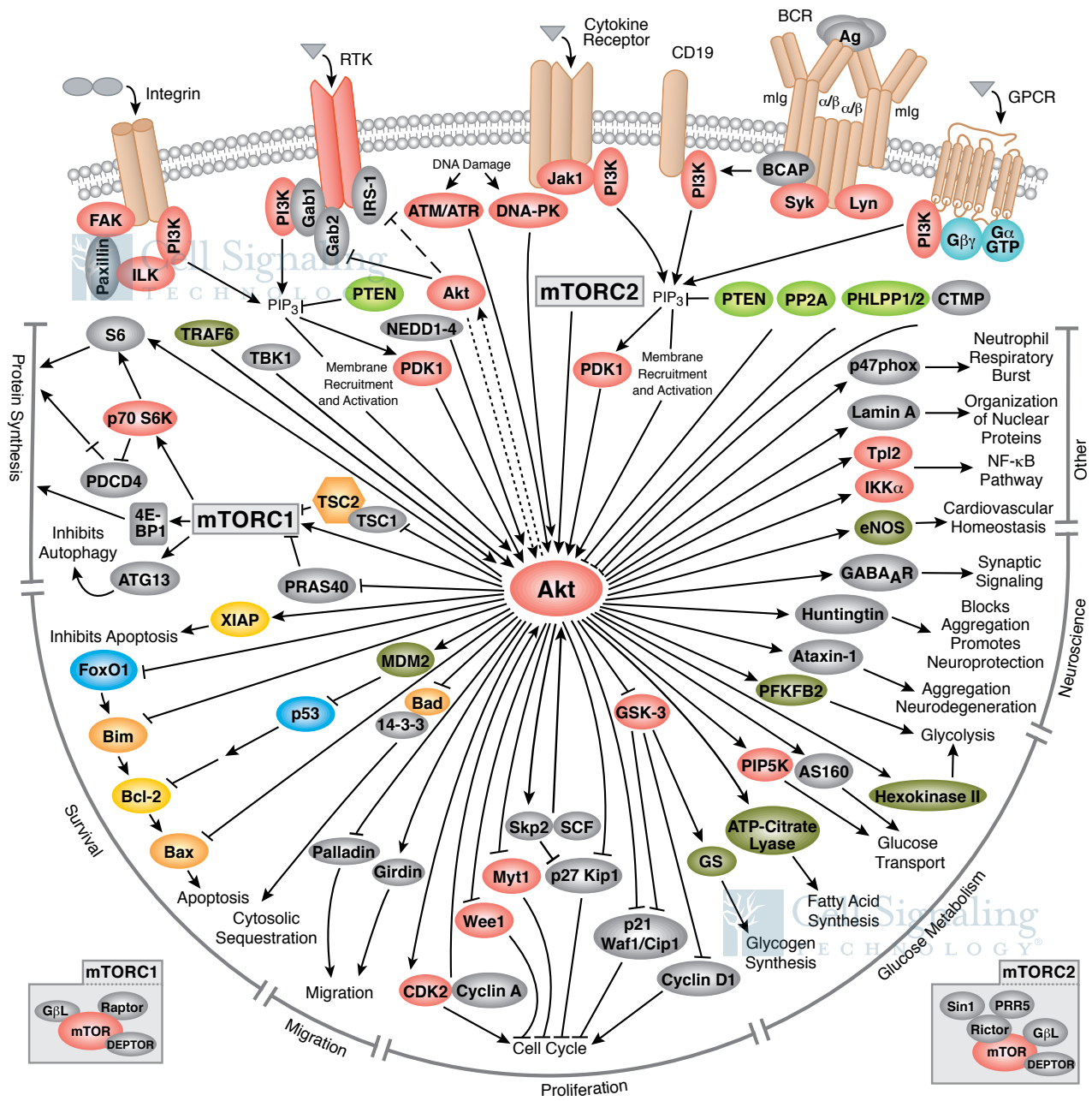


# PI3 Kinase/Akt Signaling



## Pathway Diagram Key

- |                                       |                                       |                                       |  |
|---------------------------------------|---------------------------------------|---------------------------------------|--|
| → Direct Stimulatory Modification     | →  Multistep Inhibitory Modification  | —  Direct Inhibitory Modification     | →→ Tentative Stimulatory Modification      |
| —  Direct Inhibitory Modification     | →→ Tentative Stimulatory Modification | →→ Multistep Stimulatory Modification | —  Transcriptional Inhibitory Modification |
| →→ Multistep Stimulatory Modification | —  Tentative Inhibitory Modification  | →→  Multistep Inhibitory Modification |  |
- 
- |  |  |  |   |   |   |  |
|--|--|--|---|---|---|--|
| <span style="color: red;">●</span> Kinase        | <span style="color: blue;">●</span> Transcription Factor | <span style="color: orange;">●</span> Receptor | <span style="color: yellow;">●</span> pro-apoptotic | <span style="color: green;">●</span> GAP/GEF    | <span style="color: cyan;">●</span> G-protein | <span style="color: red;">●</span> Deacetylase |
| <span style="color: green;">●</span> Phosphatase | <span style="color: pink;">●</span> Caspase              | <span style="color: olive;">●</span> Enzyme    | <span style="color: yellow;">●</span> pro-survival  | <span style="color: lightblue;">●</span> GTPase | <span style="color: teal;">●</span> Acetylase |  |