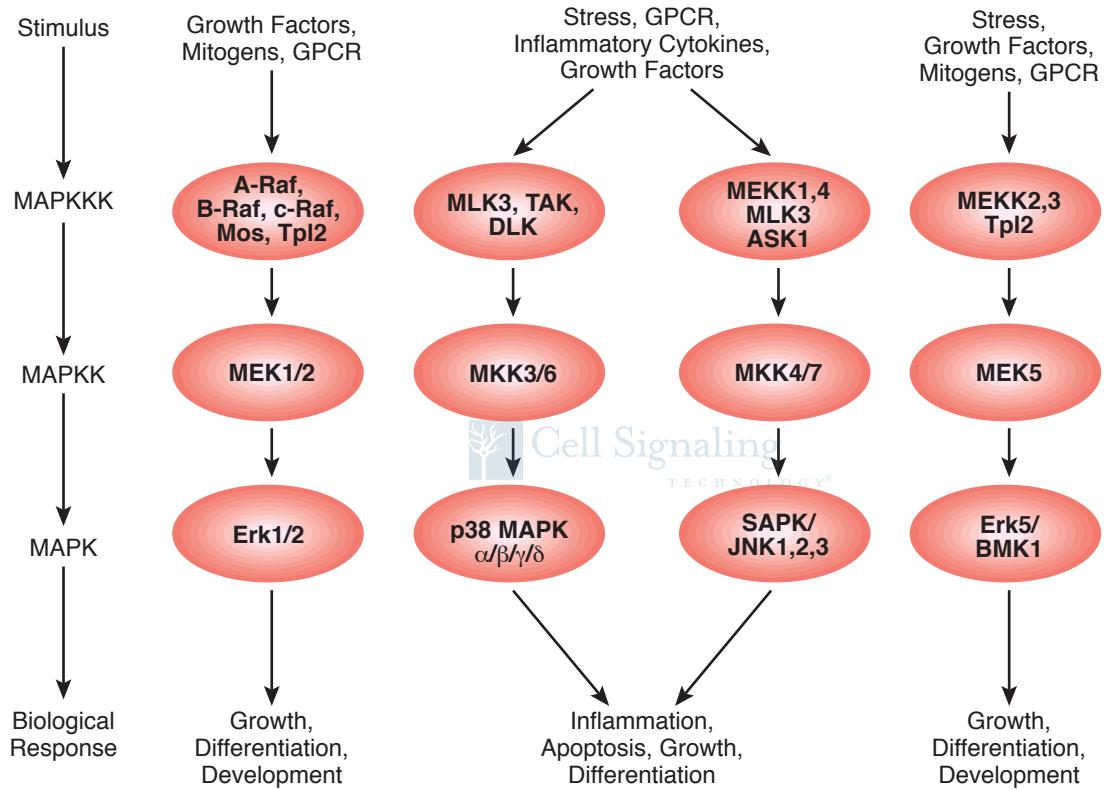


# Mitogen-Activated Protein Kinase Signaling Cascades



Pathway Diagram Keys

Kinase	Enzyme	G-protein	Direct Inhibitory Modification	Tentative Inhibitory Modification	Translocation
Phosphatase	pro-apoptotic	Acetylase	Multistep Stimulatory Modification	Separation of Subunits or Cleavage Products	Transcriptional Stimulatory Modification
Transcription Factor	pro-survival	Deacetylase	Multistep Inhibitory Modification	Joining of Subunits	Transcriptional Inhibitory Modification
Caspase	GAP/GEF	Ribosomal subunit	Direct Stimulatory Modification	Tentative Stimulatory Modification	
Receptor	GTPase				

