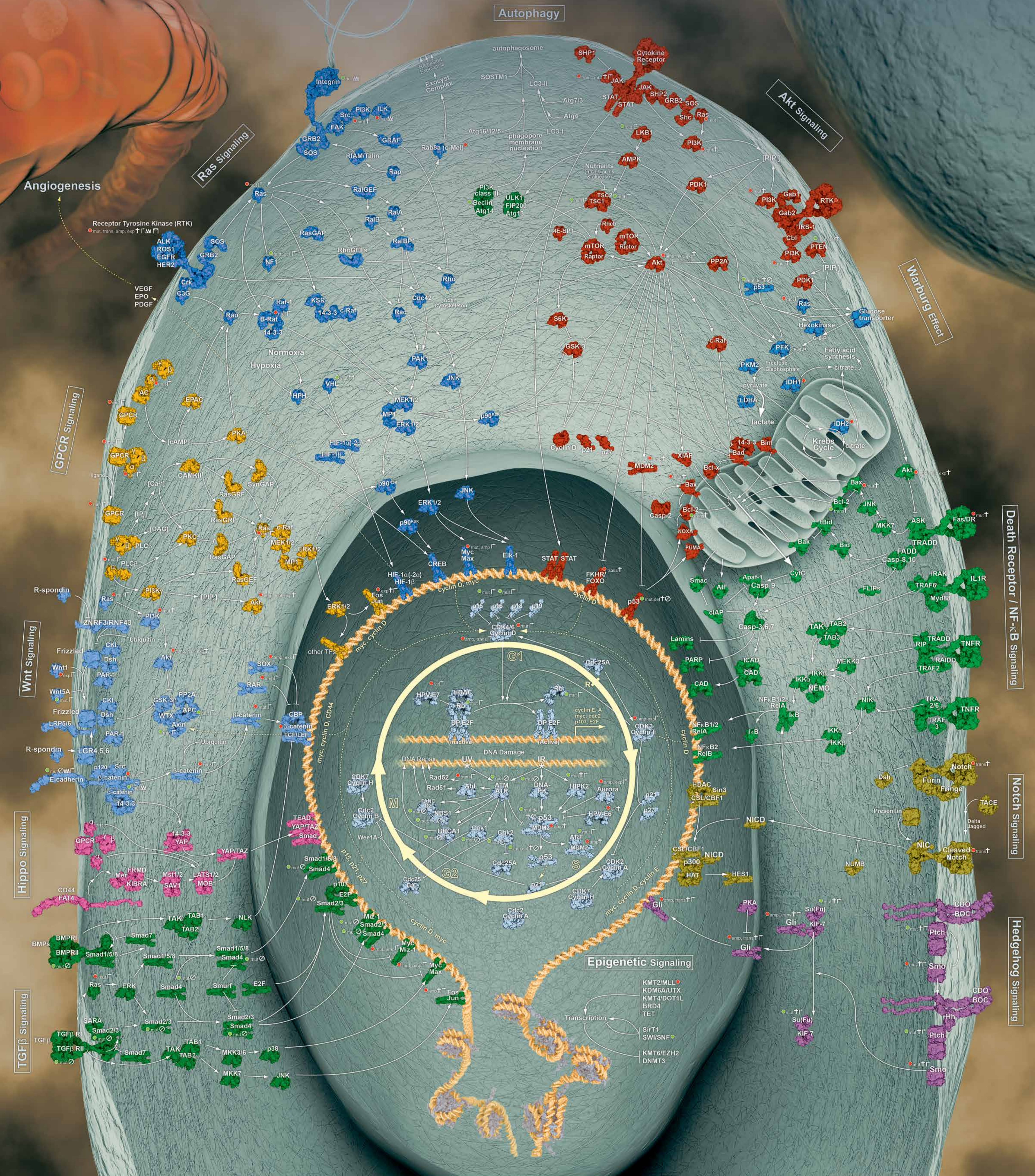


# Pathways in Human Cancer



<p><b>Ras</b> Common protein name</p> <p><b>oncogene</b> Type of genetic alteration</p> <p><b>mut</b> Type of genetic alteration</p> <p><b>Structural representative from PDB</b></p>	<p><b>Direct stimulatory modification</b></p> <p><b>Direct inhibitory modification</b></p> <p><b>Multistep stimulatory modification</b></p> <p><b>Tentative stimulatory modification</b></p> <p><b>Transcriptional contribution</b></p>	<p><b>TYPES OF GENETIC ALTERATIONS:</b></p> <p>mut Point mutation    trans Translocation    vir Viral infection</p> <p>amp Amplification    del Deletion    exp Increased expression (unknown mechanism)</p>	<p><b>TYPES OF CONFERRED CAPABILITIES:</b></p> <p>† Evading apoptosis    ⊕ Insensitivity to anti-growth signals    ∞ Limitless replicative potential</p> <p>⌊ Self-sufficiency in growth signals    M Tissue invasion &amp; metastasis    ⊞ Sustained angiogenesis</p>
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