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Retinal regeneration mechanisms linked to multiple cancer molecules: A therapeutic conundrum

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| Retinal regeneration mechanisms linked to multiple cancer molecules: a therapeutic conundrum |
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| Keywords and Abbreviations: |
| AAV – Adeno-associated virus; CNS - Central Nervous System; CNTF - ciliary neurotrophic factor; DLK - dual leucine zipper kinase; DRG - dorsal root ganglion; EGFR - Epidermal growth factor receptor; EMT - epithelial-mesenchymal transition; GAP-43 - Growth associated protein 43; GBM - glioblastoma multiforme; GM-CSF - granulocyte macrophage-colony stimulating factor; gp130 – glycoprotein 130; HCC - Hepatocellular carcinoma cells; HHEX - Hematopoietically Expressed Homeobox; hnRNP K - heterogeneous nuclear ribonucleoprotein K; IL-6 – Interleukin-6; Jak/STAT - Janus kinase-signal transduce and activator of transcription; KLF - Kruppel-like Family; LIF - Leukemia inhibitory factor; mTOR - mammalian target of rapamycin; NF-M - medium neurofilament; PI3K - phosphatidylinositol-3-kinase; PTEN - phosphatase and tensin homolog; Rb - retinoblastoma protein; RGC - retinal ganglion cell; SOCS-3 - suppressor of cytokine signalling 3; Sfpq - Splicing factor proline- and glutamine- rich protein; STAT-3 - signal transducer and activator of transcription-3; VEGF - Vascular endothelial growth factor |
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