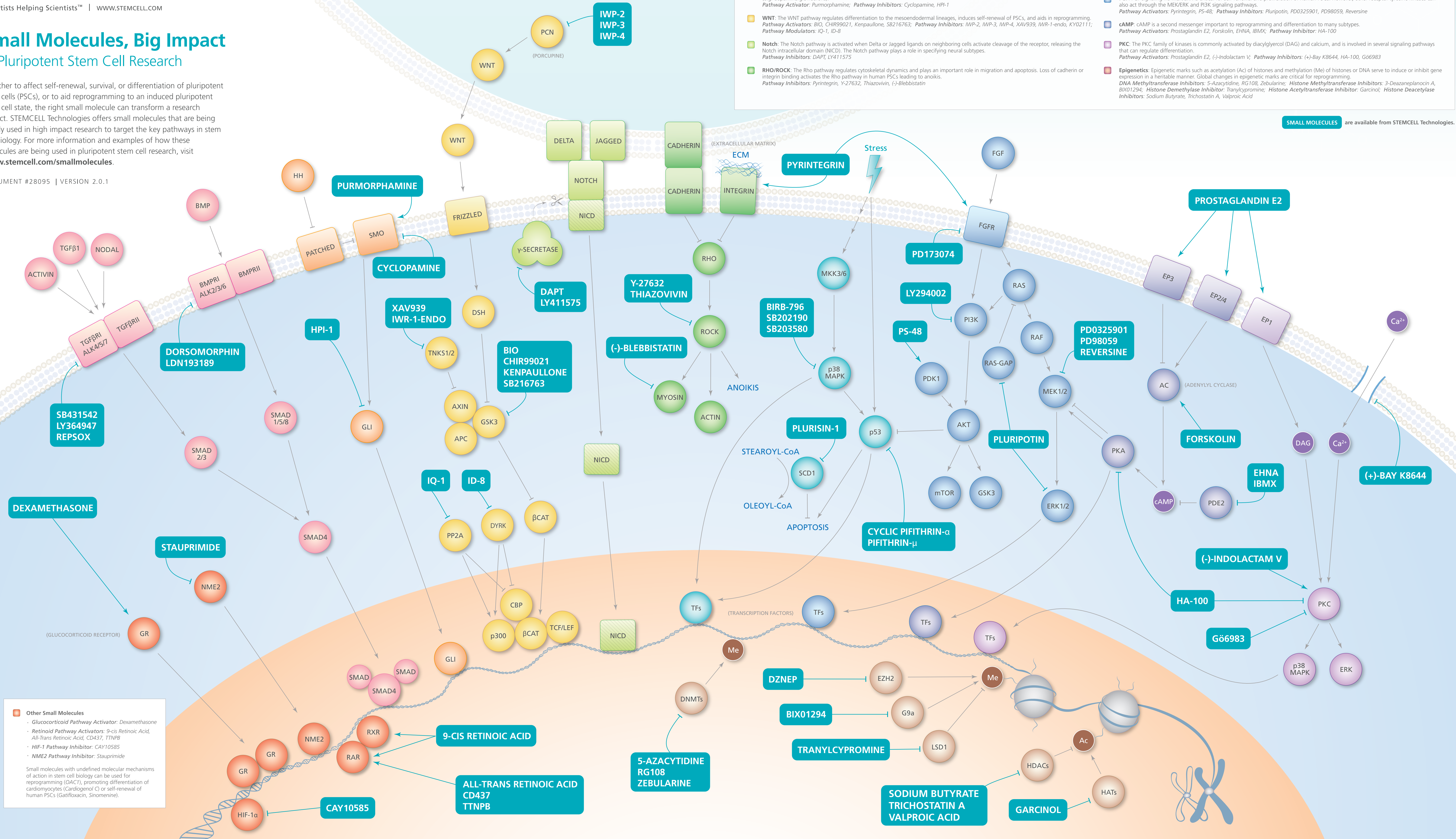


## Small Molecules, Big Impact In Pluripotent Stem Cell Research

Whether to affect self-renewal, survival, or differentiation of pluripotent stem cells (PSCs), or to aid reprogramming to an induced pluripotent stem cell state, the right small molecule can transform a research project. STEMCELL Technologies offers small molecules that are being widely used in high impact research to target the key pathways in stem cell biology. For more information and examples of how these molecules are being used in pluripotent stem cell research, visit [www.stemcell.com/smallmolecules](http://www.stemcell.com/smallmolecules).

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SMALL MOLECULES are available from STEMCELL Technologies.

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### Generation of Human iPS Cells:

- TeSR™-E7™ (Cat #05910) for reprogramming fibroblasts
- ReproTeSR™ (Cat #05920) for reprogramming blood cells, use alone, or as part of an integrated workflow with the Erythroid Progenitor Reprogramming Kit (Cat #05924) or CD34+ Progenitor Reprogramming Kit (Cat #05925)

### Maintenance of Human ES and iPS Cells:

- mTeSR™1 (Cat #05850), the most published feeder-free hPSCs maintenance medium
- TeSR™2 (Cat #05860), a more defined and xeno-free version of mTeSR™1
- TeSR™-E8™ (Cat #05940), a simplified, xeno-free maintenance medium for hPSCs

### Differentiation of Human ES and iPS Cells:

- STEMdiff™ Neural System for generation, expansion, differentiation, characterization and cryopreservation of NPCs
- STEMdiff™ Definitive Endoderm Kit (Cat #05110/05115) for differentiation to multipotent definitive endoderm
- STEMdiff™ APEL™ and APEL™-LI (Cat #05210/05211) lineage-neutral media for customization of mesodermal differentiation protocols by adding cytokines or small molecules