# HALO™ Analysis Report
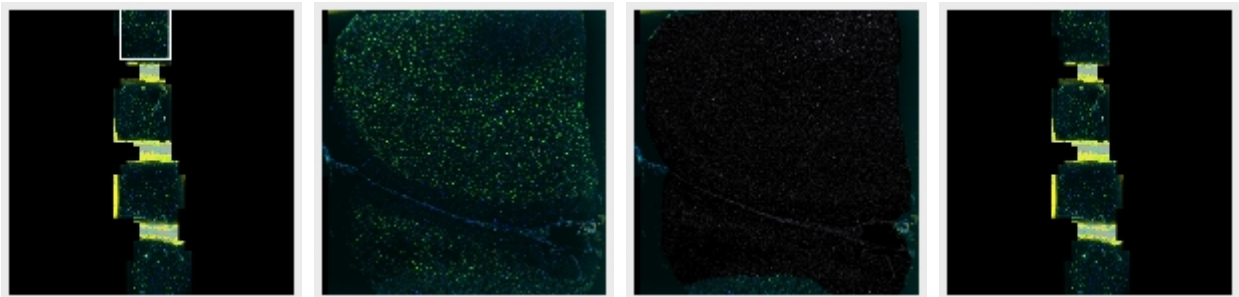
**Image:** HALO_allsections_round2_AKT3_Star_Fused.tif
**Algorithm:** Indica Labs - FISH-IF v2.1.5
**Setting:** Decon_AKT3_Star_Cyto_Nuc_Copyintensity_FINAL_R2_SMC2
**Analysis Region:** Layer 6
**Analyzed:** Friday, September 15, 2023 1:15 PM

**1.**



| ReferenceFrame | NoAnalysis | Markup | Image |

| Result Name | Value | Result Name | Value |
| --- | --- | --- | --- |
| Total Cells | 37393 | DAPI (DAPI) Avg Positive Nuclei Intensity | 45.593430 |
| SLC17A7 (Opal 520) Positive Cells | 11106 | SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity | 3.307270 |
| OLIG2 (Alexa 647) Positive Cells | 4883 | OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity | 0.030718 |
| DAPI (DAPI) Positive Cells | 37393 | | |
| SLC17A7 (Opal 520) Positive Nuclei Cells | 11032 | DAPI (DAPI) Avg Positive Cytoplasm Intensity | 39.973919 |
| OLIG2 (Alexa 647) Positive Nuclei Cells | 4832 | Total AKT3 (Opal 620) Copies | 251088 |
| DAPI (DAPI) Positive Nuclei Cells | 37393 | Total TMEM119 (Alexa 555) Copies | 3357 |
| Negative Nuclei Cells | 0 | | |
| SLC17A7 (Opal 520) Positive Cytoplasm Cells | 7744 | Total AKT3 (Opal 620) Area (µm²) | 480555.343750 |
| OLIG2 (Alexa 647) Positive Cytoplasm Cells | 382 | Total TMEM119 (Alexa 555) Area (µm²) | 6368.511719 |
| DAPI (DAPI) Positive Cytoplasm Cells | 14 | Avg AKT3 (Opal 620) Copies Per Cell | 6.714839 |
| Negative Cytoplasm Cells | 29263 | Avg TMEM119 (Alexa 555) Copies Per Cell | 0.089776 |
| DAPI/AKT3 Cells | 34631 | | |
| OLIG2/AKT3 Cells | 3504 | Avg AKT3 (Opal 620) Area Per Cell (µm²) | 12.851479 |
| SLC17A7/AKT3 Cells | 10010 | | |
| TMEM119/AKT3 Cells | 664 | Avg TMEM119 (Alexa 555) Area Per Cell (µm²) | 0.170313 |
| OLIG2 Cells | 3727 | | |
| SLC17A7 Cells | 10026 | Avg AKT3 (Opal 620) Cell Intensity | 30.617064 |
| TMEM119 Cells | 722 | | |
| % SLC17A7 (Opal 520) Positive Cells | 29.700747 | Avg TMEM119 (Alexa 555) Cell Intensity | 0.026569 |
| % OLIG2 (Alexa 647) Positive Cells | 13.058594 | Avg AKT3 (Opal 620) Copies Per µm² | 0.005671 |
| % DAPI (DAPI) Positive Cells | 100.000000 | Avg TMEM119 (Alexa 555) Copies Per µm² | 0.000076 |
| % SLC17A7 (Opal 520) Positive Nuclei Cells | 29.502848 | % AKT3 (Opal 620) 0+ | 7.386409 |
| % OLIG2 (Alexa 647) Positive Nuclei Cells | 12.922205 | % AKT3 (Opal 620) 1+ | 31.693098 |
| | | % AKT3 (Opal 620) 2+ | 38.031181 |
| % DAPI (DAPI) Positive Nuclei Cells | 100.000000 | % AKT3 (Opal 620) 3+ | 12.916856 |
| | | % AKT3 (Opal 620) 4+ | 9.972455 |

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|---|---|---|---|
| % SLC17A7 (Opal 520) Positive Cytoplasm Cells | 20.709759 | % AKT3 (Opal 620) Positive | 92.613594 |
| | | AKT3 (Opal 620) H-Score | 186.395844 |
| % OLIG2 (Alexa 647) Positive Cytoplasm Cells | 1.021582 | % TMEM119 (Alexa 555) 0+ | 97.561043 |
| | | % TMEM119 (Alexa 555) 1+ | 1.692830 |
| % DAPI (DAPI) Positive Cytoplasm Cells | 0.037440 | % TMEM119 (Alexa 555) 2+ | 0.532185 |
| | | % TMEM119 (Alexa 555) 3+ | 0.160458 |
| % DAPI/AKT3 Positive Cells | 92.613594 | % TMEM119 (Alexa 555) 4+ | 0.053486 |
| % OLIG2/AKT3 Positive Cells | 9.370738 | % TMEM119 (Alexa 555) Positive | 2.438959 |
| % SLC17A7/AKT3 Positive Cells | 26.769716 | TMEM119 (Alexa 555) H-Score | 3.452518 |
| % TMEM119/AKT3 Positive Cells | 1.775733 | Total Cell Area (µm²) | 5231162.000000 |
| % OLIG2 Positive Cells | 9.967106 | Avg Cell Area (µm²) | 139.896820 |
| % SLC17A7 Positive Cells | 26.812506 | Avg Cytoplasm Area (µm²) | 109.087494 |
| % TMEM119 Positive Cells | 1.930843 | Avg Nucleus Area (µm²) | 30.809332 |
| SLC17A7 (Opal 520) Avg Positive Nuclei Intensity | 3.707266 | Avg Nucleus Perimeter (µm) | 24.468866 |
| | | Avg Nucleus Roundness | 0.763242 |
| OLIG2 (Alexa 647) Avg Positive Nuclei Intensity | 0.061101 | Area Analyzed (µm²) | 44277000.000000 |