

HALO™ Analysis Report

Friday, September 15, 2023
02:52:44 PM

Image: HALO_RESCAN_2720M_B1R1_Circle_AKT3_Fused.tif

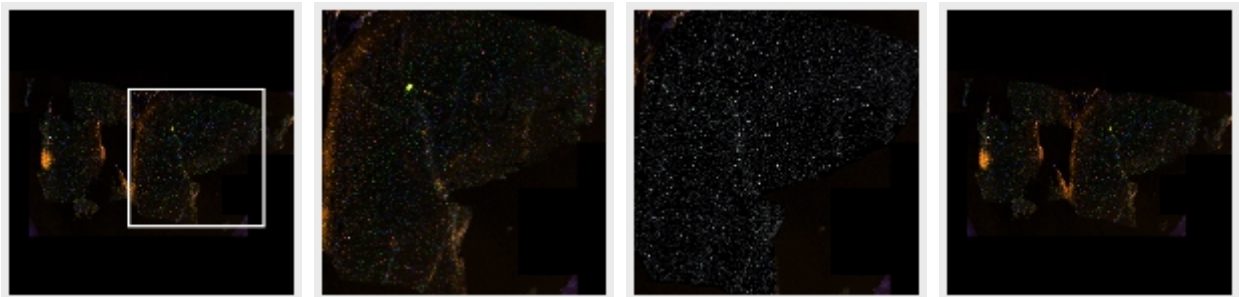
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Circle_Cyto_Nuc_Copyintensity_FINAL_R1_SMC2

Analysis Region: Layer 2

Analyzed: Friday, September 15, 2023 2:51 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

| Result Name | Value | Result Name | Value |
|--|-----------|---|------------|
| Total Cells | 14506 | Avg AKT3 (Opal 570) Copies Per Cell | 9.625603 |
| GAD1 (Opal 690) Positive Cells | 3538 | Avg CLDN5 (Alexa 488) Copies Per Cell | 4.303943 |
| DAPI (DAPI) Positive Cells | 13772 | Avg GFAP (Alexa 594) Area Per Cell (µm²) | 3.473113 |
| GAD1 (Opal 690) Positive Nuclei Cells | 3250 | Avg AKT3 (Opal 570) Area Per Cell (µm²) | 18.770344 |
| DAPI (DAPI) Positive Nuclei Cells | 13772 | Avg CLDN5 (Alexa 488) Area Per Cell (µm²) | 3.412672 |
| Negative Nuclei Cells | 560 | Avg GFAP (Alexa 594) Cell Intensity | 2.248171 |
| GAD1 (Opal 690) Positive Cytoplasm Cells | 2933 | Avg AKT3 (Opal 570) Cell Intensity | 75.365852 |
| DAPI (DAPI) Positive Cytoplasm Cells | 500 | Avg CLDN5 (Alexa 488) Cell Intensity | 1.936110 |
| Negative Cytoplasm Cells | 11210 | Avg GFAP (Alexa 594) Copies Per µm² | 0.002516 |
| DAPI/AKT3 Cells | 13543 | Avg AKT3 (Opal 570) Copies Per µm² | 0.011239 |
| GAD1/AKT3 Cells | 2295 | Avg CLDN5 (Alexa 488) Copies Per µm² | 0.005025 |
| GFAP/AKT3 Cells | 2774 | % GFAP (Alexa 594) 0+ | 68.978355 |
| CLDN5/AKT3 Cells | 1136 | % GFAP (Alexa 594) 1+ | 18.040812 |
| GAD1 Cells | 2306 | % GFAP (Alexa 594) 2+ | 7.107404 |
| GFAP Cells | 2840 | % GFAP (Alexa 594) 3+ | 2.392114 |
| CLDN5 Cells | 1168 | % GFAP (Alexa 594) 4+ | 3.481318 |
| % GAD1 (Opal 690) Positive Cells | 24.389908 | % GFAP (Alexa 594) Positive | 31.021646 |
| % DAPI (DAPI) Positive Cells | 94.940025 | GFAP (Alexa 594) H-Score | 53.357231 |
| % GAD1 (Opal 690) Positive Nuclei Cells | 22.404522 | % AKT3 (Opal 570) 0+ | 1.902661 |
| % DAPI (DAPI) Positive Nuclei Cells | 94.940025 | % AKT3 (Opal 570) 1+ | 16.151937 |
| % GAD1 (Opal 690) Positive Cytoplasm Cells | 20.219219 | % AKT3 (Opal 570) 2+ | 42.292843 |
| % DAPI (DAPI) Positive Cytoplasm Cells | 3.446850 | % AKT3 (Opal 570) 3+ | 21.749620 |
| % DAPI/AKT3 Positive Cells | 93.361366 | % AKT3 (Opal 570) 4+ | 17.902937 |
| % GAD1/AKT3 Positive Cells | 15.821039 | % AKT3 (Opal 570) Positive | 98.097336 |
| % GFAP/AKT3 Positive Cells | 19.123121 | AKT3 (Opal 570) H-Score | 237.598236 |
| % CLDN5/AKT3 Positive Cells | 7.831242 | | |
| % GAD1 Positive Cells | 15.896871 | | |
| % GFAP Positive Cells | 19.578106 | | |



| | | | |
|--|---------------|---|-----------------|
| % CLDN5 Positive Cells | 8.051841 | % CLDN5 (Alexa 488) 0+ | 91.100235 |
| GAD1 (Opal 690) Avg Positive Nuclei Intensity | 3.745252 | % CLDN5 (Alexa 488) 1+ | 0.000000 |
| DAPI (DAPI) Avg Positive Nuclei Intensity | 37.882042 | % CLDN5 (Alexa 488) 2+ | 0.027575 |
| GAD1 (Opal 690) Avg Positive Cytoplasm Intensity | 2.401168 | % CLDN5 (Alexa 488) 3+ | 0.896181 |
| DAPI (DAPI) Avg Positive Cytoplasm Intensity | 15.586823 | % CLDN5 (Alexa 488) 4+ | 7.976010 |
| Total GFAP (Alexa 594) Copies | 31258 | % CLDN5 (Alexa 488) Positive | 8.899766 |
| Total AKT3 (Opal 570) Copies | 139629 | CLDN5 (Alexa 488) H-Score | 34.647732 |
| Total CLDN5 (Alexa 488) Copies | 62433 | Total Cell Area (μm^2) | 2235169.250000 |
| Total GFAP (Alexa 594) Area (μm^2) | 50380.976563 | Avg Cell Area (μm^2) | 154.085846 |
| Total AKT3 (Opal 570) Area (μm^2) | 272282.593750 | Avg Cytoplasm Area (μm^2) | 115.742287 |
| Total CLDN5 (Alexa 488) Area (μm^2) | 49504.218750 | Avg Nucleus Area (μm^2) | 38.343559 |
| Avg GFAP (Alexa 594) Copies Per Cell | 2.154833 | Avg Nucleus Perimeter (μm) | 27.343834 |
| | | Avg Nucleus Roundness | 0.772847 |
| | | Area Analyzed (μm^2) | 12423925.000000 |