

# HALO™ Analysis Report

Tuesday, September 19, 2023  
11:03:47 AM

**Image:** HALO\_allsections\_round2\_AKT3\_Circle\_Fused.tif

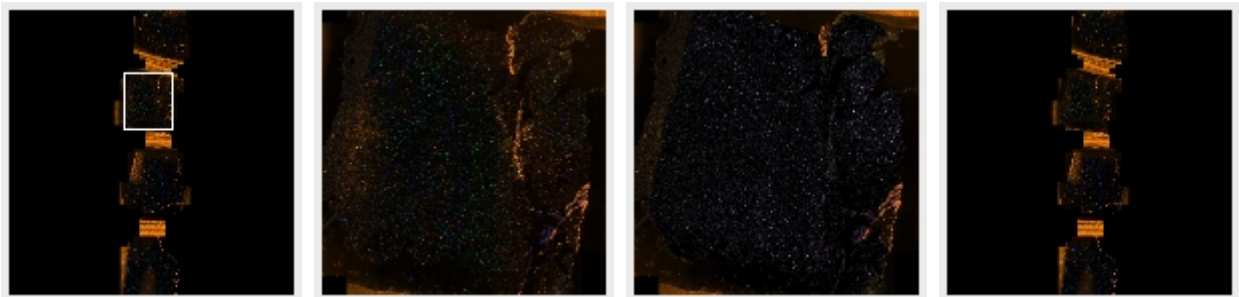
**Algorithm:** Indica Labs - FISH-IF v2.1.5

**Setting:** Decon\_AKT3\_Circle\_Cyto\_Nuc\_Copyintensity\_FINAL\_R2\_SMC3

**Analysis Region:** Layer 6

**Analyzed:** Tuesday, September 19, 2023 11:02 AM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	34097	Avg AKT3 (Opal 570) Copies Per Cell	7.932662
GAD1 (Opal 690) Positive Cells	5591	Avg CLDN5 (Alexa 488) Copies Per Cell	4.606798
DAPI (DAPI) Positive Cells	32231	Avg GFAP (Alexa 594) Area Per Cell (μm²)	9.999659
GAD1 (Opal 690) Positive Nuclei Cells	5562	Avg AKT3 (Opal 570) Area Per Cell (μm²)	17.155170
DAPI (DAPI) Positive Nuclei Cells	32231	Avg CLDN5 (Alexa 488) Area Per Cell (μm²)	3.884754
Negative Nuclei Cells	1678	Avg GFAP (Alexa 594) Cell Intensity	3.783257
GAD1 (Opal 690) Positive Cytoplasm Cells	3609	Avg AKT3 (Opal 570) Cell Intensity	52.962460
DAPI (DAPI) Positive Cytoplasm Cells	814	Avg CLDN5 (Alexa 488) Cell Intensity	2.073344
Negative Cytoplasm Cells	29720	Avg GFAP (Alexa 594) Copies Per μm²	0.003195
DAPI/AKT3 Cells	30514	Avg AKT3 (Opal 570) Copies Per μm²	0.006786
GAD1/AKT3 Cells	3291	Avg CLDN5 (Alexa 488) Copies Per μm²	0.003941
GFAP/AKT3 Cells	7451	% GFAP (Alexa 594) 0+	61.729771
CLDN5/AKT3 Cells	3279	% GFAP (Alexa 594) 1+	14.951462
GAD1 Cells	3311	% GFAP (Alexa 594) 2+	11.223862
GFAP Cells	8372	% GFAP (Alexa 594) 3+	4.930052
CLDN5 Cells	3417	% GFAP (Alexa 594) 4+	7.164853
% GAD1 (Opal 690) Positive Cells	16.397337	% GFAP (Alexa 594) Positive GFAP (Alexa 594) H-Score	80.848755
% DAPI (DAPI) Positive Cells	94.527374	% AKT3 (Opal 570) 0+	5.745374
% GAD1 (Opal 690) Positive Nuclei Cells	16.312286	% AKT3 (Opal 570) 1+	24.999268
% DAPI (DAPI) Positive Nuclei Cells	94.527374	% AKT3 (Opal 570) 2+	38.563511
% GAD1 (Opal 690) Positive Cytoplasm Cells	10.584509	% AKT3 (Opal 570) 3+	17.071882
% DAPI (DAPI) Positive Cytoplasm Cells	2.387307	% AKT3 (Opal 570) 4+	13.619967
% DAPI/AKT3 Positive Cells	89.491745	% AKT3 (Opal 570) Positive	94.254623
% GAD1/AKT3 Positive Cells	9.651875	AKT3 (Opal 570) H-Score	207.821808
% GFAP/AKT3 Positive Cells	21.852362		
% CLDN5/AKT3 Positive Cells	9.616682		
% GAD1 Positive Cells	9.710532		
% GFAP Positive Cells	24.553480		



% CLDN5 Positive Cells	10.021409	% CLDN5 (Alexa 488) 0+	89.594391
GAD1 (Opal 690) Avg Positive Nuclei Intensity	5.784298	% CLDN5 (Alexa 488) 1+	0.000000
DAPI (DAPI) Avg Positive Nuclei Intensity	41.955536	% CLDN5 (Alexa 488) 2+	0.041059
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.922055	% CLDN5 (Alexa 488) 3+	1.026483
DAPI (DAPI) Avg Positive Cytoplasm Intensity	15.389771	% CLDN5 (Alexa 488) 4+	9.338065
Total GFAP (Alexa 594) Copies	127336	% CLDN5 (Alexa 488) Positive	10.405607
Total AKT3 (Opal 570) Copies	270480	CLDN5 (Alexa 488) H-Score	40.513828
Total CLDN5 (Alexa 488) Copies	157078	Total Cell Area ( $\mu\text{m}^2$ )	5156280.500000
Total GFAP (Alexa 594) Area ( $\mu\text{m}^2$ )	340958.343750	Avg Cell Area ( $\mu\text{m}^2$ )	151.223877
Total AKT3 (Opal 570) Area ( $\mu\text{m}^2$ )	584939.875000	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	115.912102
Total CLDN5 (Alexa 488) Area ( $\mu\text{m}^2$ )	132458.468750	Avg Nucleus Area ( $\mu\text{m}^2$ )	35.311768
Avg GFAP (Alexa 594) Copies Per Cell	3.734522	Avg Nucleus Perimeter ( $\mu\text{m}$ )	26.399069
		Avg Nucleus Roundness	0.754963
		Area Analyzed ( $\mu\text{m}^2$ )	39860976.000000