

# HALO™ Analysis Report

Tuesday, September 19, 2023  
12:32:24 PM

**Image:** HALO\_Allsections\_round4\_AKT3\_Circle\_Fused.tif

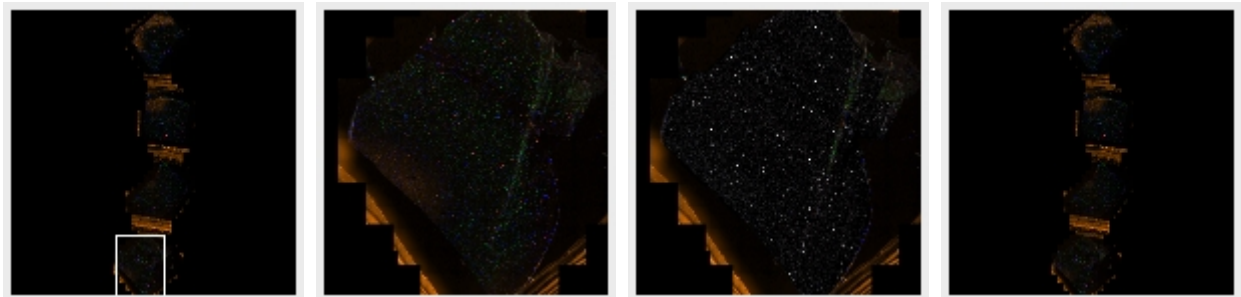
**Algorithm:** Indica Labs - FISH-IF v2.1.5

**Setting:** Decon\_AKT3\_Circle\_Cyto\_Nuc\_Copyintensity\_Final\_R4\_SMC2

**Analysis Region:** Layer 8

**Analyzed:** Tuesday, September 19, 2023 12:31 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	41024	Avg AKT3 (Opal 570) Copies Per Cell	9.538392
GAD1 (Opal 690) Positive Cells	5171	Avg CLDN5 (Alexa 488) Copies Per Cell	0.146963
DAPI (DAPI) Positive Cells	37435	Avg GFAP (Alexa 594) Area Per Cell (µm²)	0.975926
GAD1 (Opal 690) Positive Nuclei Cells	5130	Avg AKT3 (Opal 570) Area Per Cell (µm²)	19.152813
DAPI (DAPI) Positive Nuclei Cells	37435	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	0.353500
Negative Nuclei Cells	3347	Avg GFAP (Alexa 594) Cell Intensity	0.457768
GAD1 (Opal 690) Positive Cytoplasm Cells	3328	Avg AKT3 (Opal 570) Cell Intensity	61.395473
DAPI (DAPI) Positive Cytoplasm Cells	826	Avg CLDN5 (Alexa 488) Cell Intensity	0.054914
Negative Cytoplasm Cells	36932	Avg GFAP (Alexa 594) Copies Per µm²	0.000426
DAPI/AKT3 Cells	36457	Avg AKT3 (Opal 570) Copies Per µm²	0.009357
GAD1/AKT3 Cells	4656	Avg CLDN5 (Alexa 488) Copies Per µm²	0.000144
GFAP/AKT3 Cells	3360	% GFAP (Alexa 594) 0+	88.272720
CLDN5/AKT3 Cells	1527	% GFAP (Alexa 594) 1+	8.256143
GAD1 Cells	4667	% GFAP (Alexa 594) 2+	2.615542
GFAP Cells	3574	% GFAP (Alexa 594) 3+	0.509458
CLDN5 Cells	1686	% GFAP (Alexa 594) 4+	0.346139
% GAD1 (Opal 690) Positive Cells	12.604816	% GFAP (Alexa 594) Positive GFAP (Alexa 594) H-Score	16.400156
% DAPI (DAPI) Positive Cells	91.251465	% AKT3 (Opal 570) 0+	2.781299
% GAD1 (Opal 690) Positive Nuclei Cells	12.504875	% AKT3 (Opal 570) 1+	17.718897
% DAPI (DAPI) Positive Nuclei Cells	91.251465	% AKT3 (Opal 570) 2+	40.247173
% GAD1 (Opal 690) Positive Cytoplasm Cells	8.112325	% AKT3 (Opal 570) 3+	20.890211
% DAPI (DAPI) Positive Cytoplasm Cells	2.013456	% AKT3 (Opal 570) 4+	18.362423
% DAPI/AKT3 Positive Cells	88.867493	% AKT3 (Opal 570) Positive	97.218704
% GAD1/AKT3 Positive Cells	11.349454	AKT3 (Opal 570) H-Score	234.333557
% GFAP/AKT3 Positive Cells	8.190328		
% CLDN5/AKT3 Positive Cells	3.722211		
% GAD1 Positive Cells	11.376267		
% GFAP Positive Cells	8.711973		



% CLDN5 Positive Cells	4.109789	% CLDN5 (Alexa 488) 0+	95.534325
GAD1 (Opal 690) Avg Positive Nuclei Intensity	4.845754	% CLDN5 (Alexa 488) 1+	3.427262
DAPI (DAPI) Avg Positive Nuclei Intensity	35.236046	% CLDN5 (Alexa 488) 2+	0.728842
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.669032	% CLDN5 (Alexa 488) 3+	0.170632
DAPI (DAPI) Avg Positive Cytoplasm Intensity	14.603795	% CLDN5 (Alexa 488) 4+	0.138943
Total GFAP (Alexa 594) Copies	17808	% CLDN5 (Alexa 488) Positive	4.465679
Total AKT3 (Opal 570) Copies	391303	CLDN5 (Alexa 488) H-Score	5.952613
Total CLDN5 (Alexa 488) Copies	6029	Total Cell Area ( $\mu\text{m}^2$ )	6477062.500000
Total GFAP (Alexa 594) Area ( $\mu\text{m}^2$ )	40036.402344	Avg Cell Area ( $\mu\text{m}^2$ )	157.884720
Total AKT3 (Opal 570) Area ( $\mu\text{m}^2$ )	785725.000000	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	117.849388
Total CLDN5 (Alexa 488) Area ( $\mu\text{m}^2$ )	14501.971680	Avg Nucleus Area ( $\mu\text{m}^2$ )	40.035332
Avg GFAP (Alexa 594) Copies Per Cell	0.434087	Avg Nucleus Perimeter ( $\mu\text{m}$ )	28.079975
		Avg Nucleus Roundness	0.772533
		Area Analyzed ( $\mu\text{m}^2$ )	41820832.000000