

# HALO™ Analysis Report

Tuesday, September 19, 2023  
12:25:16 PM

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

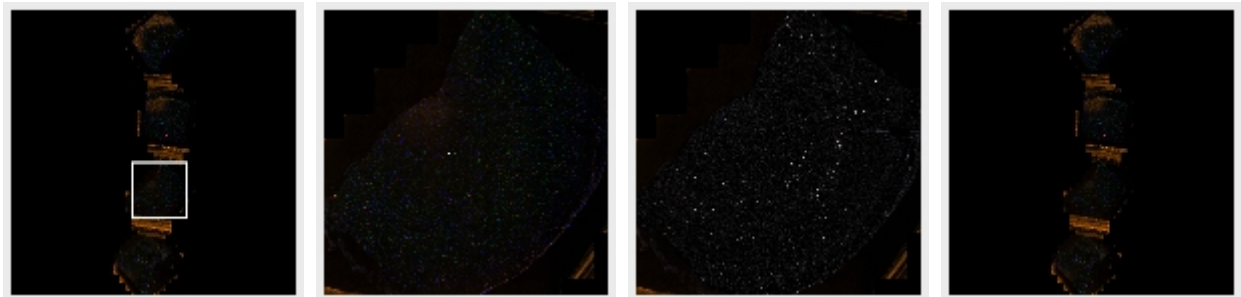
**Algorithm:** Indica Labs - FISH-IF v2.1.5

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

**Analysis Region:** Layer 7

**Analyzed:** Tuesday, September 19, 2023 12:24 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	36229	Avg AKT3 (Opal 570) Copies Per Cell	8.926191
GAD1 (Opal 690) Positive Cells	4411	Avg CLDN5 (Alexa 488) Copies Per Cell	0.071572
DAPI (DAPI) Positive Cells	33664	Avg GFAP (Alexa 594) Area Per Cell (µm²)	0.757745
GAD1 (Opal 690) Positive Nuclei Cells	4398	Avg AKT3 (Opal 570) Area Per Cell (µm²)	17.378962
DAPI (DAPI) Positive Nuclei Cells	33664	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	0.195019
Negative Nuclei Cells	2364	Avg GFAP (Alexa 594) Cell Intensity	0.373090
GAD1 (Opal 690) Positive Cytoplasm Cells	2547	Avg AKT3 (Opal 570) Cell Intensity	50.757343
DAPI (DAPI) Positive Cytoplasm Cells	462	Avg CLDN5 (Alexa 488) Cell Intensity	0.024480
Negative Cytoplasm Cells	33238	Avg GFAP (Alexa 594) Copies Per µm²	0.000313
DAPI/AKT3 Cells	32067	Avg AKT3 (Opal 570) Copies Per µm²	0.007880
GAD1/AKT3 Cells	4092	Avg CLDN5 (Alexa 488) Copies Per µm²	0.000063
GFAP/AKT3 Cells	1958	% GFAP (Alexa 594) 0+	92.011925
CLDN5/AKT3 Cells	856	% GFAP (Alexa 594) 1+	5.382429
GAD1 Cells	4105	% GFAP (Alexa 594) 2+	1.727898
GFAP Cells	2287	% GFAP (Alexa 594) 3+	0.455436
CLDN5 Cells	962	% GFAP (Alexa 594) 4+	0.422314
% GAD1 (Opal 690) Positive Cells	12.175329	% GFAP (Alexa 594) Positive	7.988076
% DAPI (DAPI) Positive Cells	92.920036	GFAP (Alexa 594) H-Score	11.893786
% GAD1 (Opal 690) Positive Nuclei Cells	12.139446	% AKT3 (Opal 570) 0+	5.194734
% DAPI (DAPI) Positive Nuclei Cells	92.920036	% AKT3 (Opal 570) 1+	18.587320
% GAD1 (Opal 690) Positive Cytoplasm Cells	7.030280	% AKT3 (Opal 570) 2+	41.475060
% DAPI (DAPI) Positive Cytoplasm Cells	1.275221	% AKT3 (Opal 570) 3+	18.901985
% DAPI/AKT3 Positive Cells	88.511963	% AKT3 (Opal 570) 4+	15.840901
% GAD1/AKT3 Positive Cells	11.294819	% AKT3 (Opal 570) Positive	94.805267
% GFAP/AKT3 Positive Cells	5.404510	AKT3 (Opal 570) H-Score	221.606995
% CLDN5/AKT3 Positive Cells	2.362748		
% GAD1 Positive Cells	11.330702		
% GFAP Positive Cells	6.312623		



% CLDN5 Positive Cells	2.655331	% CLDN5 (Alexa 488) 0+	97.184578
GAD1 (Opal 690) Avg Positive Nuclei Intensity	4.792520	% CLDN5 (Alexa 488) 1+	2.313064
DAPI (DAPI) Avg Positive Nuclei Intensity	35.382092	% CLDN5 (Alexa 488) 2+	0.378150
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.396358	% CLDN5 (Alexa 488) 3+	0.082807
DAPI (DAPI) Avg Positive Cytoplasm Intensity	14.314121	% CLDN5 (Alexa 488) 4+	0.041403
Total GFAP (Alexa 594) Copies	12859	% CLDN5 (Alexa 488) Positive	2.815424
Total AKT3 (Opal 570) Copies	323387	CLDN5 (Alexa 488) H-Score	3.483397
Total CLDN5 (Alexa 488) Copies	2593	Total Cell Area ( $\mu\text{m}^2$ )	5765970.500000
Total GFAP (Alexa 594) Area ( $\mu\text{m}^2$ )	27452.343750	Avg Cell Area ( $\mu\text{m}^2$ )	159.153458
Total AKT3 (Opal 570) Area ( $\mu\text{m}^2$ )	629622.375000	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	119.265625
Total CLDN5 (Alexa 488) Area ( $\mu\text{m}^2$ )	7065.356445	Avg Nucleus Area ( $\mu\text{m}^2$ )	39.887825
Avg GFAP (Alexa 594) Copies Per Cell	0.354937	Avg Nucleus Perimeter ( $\mu\text{m}$ )	27.762045
		Avg Nucleus Roundness	0.773979
		Area Analyzed ( $\mu\text{m}^2$ )	41038908.000000