

# HALO™ Analysis Report

Friday, September 15, 2023  
12:41:03 PM

**Image:** Fused\_HALO\_section3\_Br6471\_Ant\_Star.tif

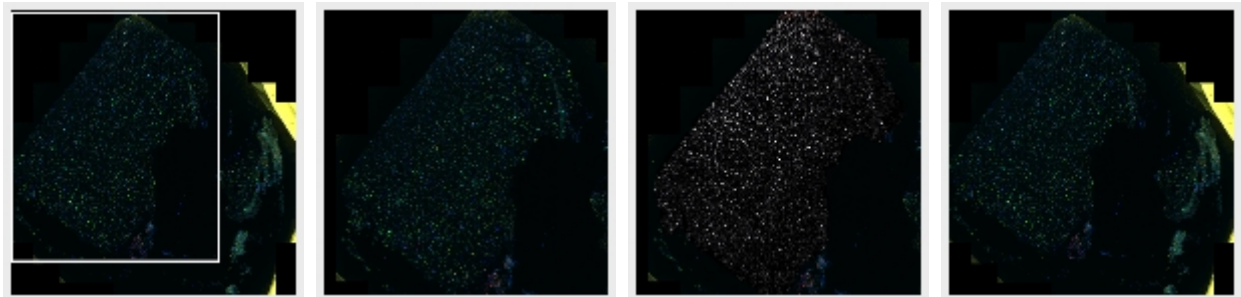
**Algorithm:** Indica Labs - FISH-IF v2.1.5

**Setting:** Decon\_AKT3\_Star\_Cyto\_Nuc\_Copyintensity\_LowOLIG\_FINAL\_R1\_SMC2

**Analysis Region:** Layer 2

**Analyzed:** Friday, September 15, 2023 12:40 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	34150	DAPI (DAPI) Avg Positive Nuclei Intensity	39.617931
SLC17A7 (Opal 520) Positive Cells	6955	SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity	2.054758
OLIG2 (Alexa 647) Positive Cells	11075	OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity	0.068430
DAPI (DAPI) Positive Cells	34150	DAPI (DAPI) Avg Positive Cytoplasm Intensity	39.159866
SLC17A7 (Opal 520) Positive Nuclei Cells	6851	Total AKT3 (Opal 620) Copies	226409
OLIG2 (Alexa 647) Positive Nuclei Cells	11074	Total TMEM119 (Alexa 555) Copies	5266
DAPI (DAPI) Positive Nuclei Cells	34150	Total AKT3 (Opal 620) Area (µm²)	422349.187500
Negative Nuclei Cells	0	Total TMEM119 (Alexa 555) Area (µm²)	8457.871094
SLC17A7 (Opal 520) Positive Cytoplasm Cells	2849	Avg AKT3 (Opal 620) Copies Per Cell	6.629839
OLIG2 (Alexa 647) Positive Cytoplasm Cells	520	Avg TMEM119 (Alexa 555) Copies Per Cell	0.154202
DAPI (DAPI) Positive Cytoplasm Cells	9	Avg AKT3 (Opal 620) Area Per Cell (µm²)	12.367473
Negative Cytoplasm Cells	30773	Avg TMEM119 (Alexa 555) Area Per Cell (µm²)	0.247668
DAPI/AKT3 Cells	32323	Avg AKT3 (Opal 620) Cell Intensity	15.569671
OLIG2/AKT3 Cells	8779	Avg TMEM119 (Alexa 555) Cell Intensity	0.034991
SLC17A7/AKT3 Cells	6110	Avg AKT3 (Opal 620) Copies Per µm²	0.007589
TMEM119/AKT3 Cells	929	Avg TMEM119 (Alexa 555) Copies Per µm²	0.000177
OLIG2 Cells	9285	% AKT3 (Opal 620) 0+	5.349927
SLC17A7 Cells	6112	% AKT3 (Opal 620) 1+	31.903368
TMEM119 Cells	998	% AKT3 (Opal 620) 2+	39.306004
% SLC17A7 (Opal 520) Positive Cells	20.366032	% AKT3 (Opal 620) 3+	14.374817
% OLIG2 (Alexa 647) Positive Cells	32.430454	% AKT3 (Opal 620) 4+	9.065886
% DAPI (DAPI) Positive Cells	100.000000		
% SLC17A7 (Opal 520) Positive Nuclei Cells	20.061493		
% OLIG2 (Alexa 647) Positive Nuclei Cells	32.427525		
% DAPI (DAPI) Positive Nuclei Cells	100.000000		



% SLC17A7 (Opal 520) Positive Cytoplasm Cells	8.342607	% AKT3 (Opal 620) Positive	94.650070
% OLIG2 (Alexa 647) Positive Cytoplasm Cells	1.522694	AKT3 (Opal 620) H-Score	189.903366
% DAPI (DAPI) Positive Cytoplasm Cells	0.026354	% TMEM119 (Alexa 555) 0+	93.013176
% DAPI/AKT3 Positive Cells	94.650070	% TMEM119 (Alexa 555) 1+	5.959004
% OLIG2/AKT3 Positive Cells	25.707174	% TMEM119 (Alexa 555) 2+	0.872621
% SLC17A7/AKT3 Positive Cells	17.891655	% TMEM119 (Alexa 555) 3+	0.108346
% TMEM119/AKT3 Positive Cells	2.720351	% TMEM119 (Alexa 555) 4+	0.046852
% OLIG2 Positive Cells	27.188873	% TMEM119 (Alexa 555) Positive	6.986823
% SLC17A7 Positive Cells	17.897511	TMEM119 (Alexa 555) H-Score	8.216691
% TMEM119 Positive Cells	2.922401	Total Cell Area ( $\mu\text{m}^2$ )	5115736.000000
SLC17A7 (Opal 520) Avg Positive Nuclei Intensity	1.947116	Avg Cell Area ( $\mu\text{m}^2$ )	149.801941
OLIG2 (Alexa 647) Avg Positive Nuclei Intensity	0.093716	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	111.925461
		Avg Nucleus Area ( $\mu\text{m}^2$ )	37.876476
		Avg Nucleus Perimeter ( $\mu\text{m}$ )	27.510796
		Avg Nucleus Roundness	0.758534
		Area Analyzed ( $\mu\text{m}^2$ )	29834112.000000