

# HALO™ Analysis Report

Friday, September 15, 2023  
01:41:54 PM

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

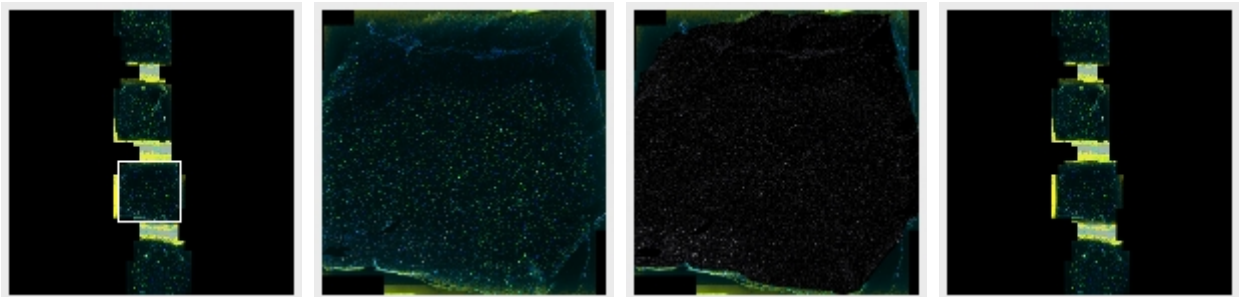
**Algorithm:** Indica Labs - FISH-IF v2.1.5

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

**Analysis Region:** Layer 8

**Analyzed:** Friday, September 15, 2023 1:38 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	53945	DAPI (DAPI) Avg Positive Nuclei Intensity	48.716755
SLC17A7 (Opal 520) Positive Cells	12281	SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity	2.422475
OLIG2 (Alexa 647) Positive Cells	9873	OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity	0.029804
DAPI (DAPI) Positive Cells	53945	DAPI (DAPI) Avg Positive Cytoplasm Intensity	43.360382
SLC17A7 (Opal 520) Positive Nuclei Cells	12261	Total AKT3 (Opal 620) Copies	247552
OLIG2 (Alexa 647) Positive Nuclei Cells	9779	Total TMEM119 (Alexa 555) Copies	4892
DAPI (DAPI) Positive Nuclei Cells	53945	Total AKT3 (Opal 620) Area (µm²)	433620.968750
Negative Nuclei Cells	0	Total TMEM119 (Alexa 555) Area (µm²)	13604.386719
SLC17A7 (Opal 520) Positive Cytoplasm Cells	6003	Avg AKT3 (Opal 620) Copies Per Cell	4.588970
OLIG2 (Alexa 647) Positive Cytoplasm Cells	1061	Avg TMEM119 (Alexa 555) Copies Per Cell	0.090685
DAPI (DAPI) Positive Cytoplasm Cells	5	Avg AKT3 (Opal 620) Area Per Cell (µm²)	8.038205
Negative Cytoplasm Cells	46889	Avg TMEM119 (Alexa 555) Area Per Cell (µm²)	0.252190
DAPI/AKT3 Cells	45380	Avg AKT3 (Opal 620) Cell Intensity	15.491268
OLIG2/AKT3 Cells	6752	Avg TMEM119 (Alexa 555) Cell Intensity	0.025079
SLC17A7/AKT3 Cells	11261	Avg AKT3 (Opal 620) Copies Per µm²	0.004176
TMEM119/AKT3 Cells	682	Avg TMEM119 (Alexa 555) Copies Per µm²	0.000083
OLIG2 Cells	8414	% AKT3 (Opal 620) 0+	15.877282
SLC17A7 Cells	11306	% AKT3 (Opal 620) 1+	41.835201
TMEM119 Cells	891	% AKT3 (Opal 620) 2+	28.150894
% SLC17A7 (Opal 520) Positive Cells	22.765779	% AKT3 (Opal 620) 3+	8.927611
% OLIG2 (Alexa 647) Positive Cells	18.301973	% AKT3 (Opal 620) 4+	5.209009
% DAPI (DAPI) Positive Cells	100.000000		
% SLC17A7 (Opal 520) Positive Nuclei Cells	22.728704		
% OLIG2 (Alexa 647) Positive Nuclei Cells	18.127722		
% DAPI (DAPI) Positive Nuclei Cells	100.000000		



% SLC17A7 (Opal 520) Positive Cytoplasm Cells	11.128001	% AKT3 (Opal 620) Positive	84.122719
% OLIG2 (Alexa 647) Positive Cytoplasm Cells	1.966818	AKT3 (Opal 620) H-Score	145.755859
% DAPI (DAPI) Positive Cytoplasm Cells	0.009269	% TMEM119 (Alexa 555) 0+	97.289833
% DAPI/AKT3 Positive Cells	84.122719	% TMEM119 (Alexa 555) 1+	1.914913
% OLIG2/AKT3 Positive Cells	12.516452	% TMEM119 (Alexa 555) 2+	0.587636
% SLC17A7/AKT3 Positive Cells	20.874966	% TMEM119 (Alexa 555) 3+	0.168690
% TMEM119/AKT3 Positive Cells	1.264251	% TMEM119 (Alexa 555) 4+	0.038929
% OLIG2 Positive Cells	15.597367	% TMEM119 (Alexa 555) Positive	2.710168
% SLC17A7 Positive Cells	20.958384	TMEM119 (Alexa 555) H-Score	3.751970
% TMEM119 Positive Cells	1.651682	Total Cell Area ( $\mu\text{m}^2$ )	7333901.000000
SLC17A7 (Opal 520) Avg Positive Nuclei Intensity	2.551074	Avg Cell Area ( $\mu\text{m}^2$ )	135.951447
OLIG2 (Alexa 647) Avg Positive Nuclei Intensity	0.080412	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	106.757851
		Avg Nucleus Area ( $\mu\text{m}^2$ )	29.193596
		Avg Nucleus Perimeter ( $\mu\text{m}$ )	23.719795
		Avg Nucleus Roundness	0.776344
		Area Analyzed ( $\mu\text{m}^2$ )	59273500.000000