

# HALO™ Analysis Report

Friday, September 15, 2023  
02:23:30 PM

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

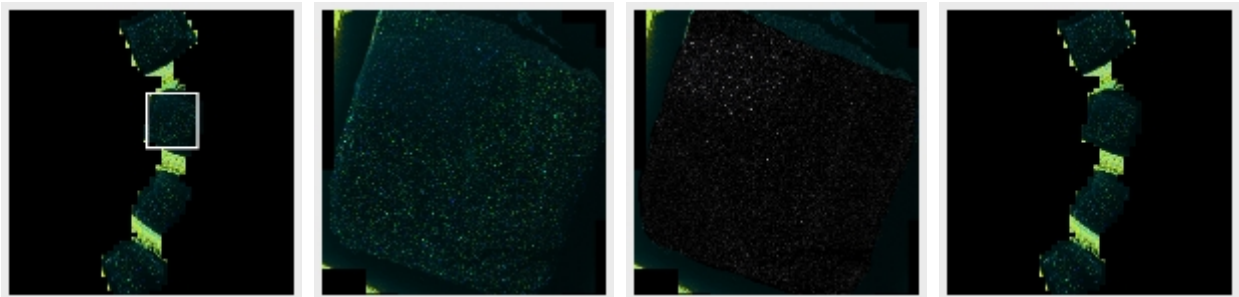
**Algorithm:** Indica Labs - FISH-IF v2.1.5

**Setting:** Decon\_AKT3\_Star\_Cyto\_Nuc\_Copyintensity\_FINAL\_R4\_SMC2

**Analysis Region:** Layer 6

**Analyzed:** Friday, September 15, 2023 2:18 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	42675	DAPI (DAPI) Avg Positive Nuclei Intensity	36.579853
SLC17A7 (Opal 520) Positive Cells	14363	SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity	3.037676
OLIG2 (Alexa 647) Positive Cells	2197	OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity	0.065502
DAPI (DAPI) Positive Cells	42675	DAPI (DAPI) Avg Positive Cytoplasm Intensity	38.637794
SLC17A7 (Opal 520) Positive Nuclei Cells	14347	Total AKT3 (Opal 620) Copies	291700
OLIG2 (Alexa 647) Positive Nuclei Cells	2197	Total TMEM119 (Alexa 555) Copies	4867
DAPI (DAPI) Positive Nuclei Cells	42675	Total AKT3 (Opal 620) Area (µm²)	499591.593750
Negative Nuclei Cells	0	Total TMEM119 (Alexa 555) Area (µm²)	24160.394531
SLC17A7 (Opal 520) Positive Cytoplasm Cells	9079	Avg AKT3 (Opal 620) Copies Per Cell	6.835384
OLIG2 (Alexa 647) Positive Cytoplasm Cells	34	Avg TMEM119 (Alexa 555) Copies Per Cell	0.114048
DAPI (DAPI) Positive Cytoplasm Cells	5	Avg AKT3 (Opal 620) Area Per Cell (µm²)	11.706892
Negative Cytoplasm Cells	33558	Avg TMEM119 (Alexa 555) Area Per Cell (µm²)	0.566149
DAPI/AKT3 Cells	40527	Avg AKT3 (Opal 620) Cell Intensity	22.288282
OLIG2/AKT3 Cells	1637	Avg TMEM119 (Alexa 555) Cell Intensity	0.033456
SLC17A7/AKT3 Cells	14177	Avg AKT3 (Opal 620) Copies Per µm²	0.006858
TMEM119/AKT3 Cells	941	Avg TMEM119 (Alexa 555) Copies Per µm²	0.000114
OLIG2 Cells	1836	% AKT3 (Opal 620) 0+	5.033392
SLC17A7 Cells	14208	% AKT3 (Opal 620) 1+	32.792034
TMEM119 Cells	1058	% AKT3 (Opal 620) 2+	38.033978
% SLC17A7 (Opal 520) Positive Cells	33.656708	% AKT3 (Opal 620) 3+	13.682484
% OLIG2 (Alexa 647) Positive Cells	5.148213	% AKT3 (Opal 620) 4+	10.458114
% DAPI (DAPI) Positive Cells	100.000000		
% SLC17A7 (Opal 520) Positive Nuclei Cells	33.619213		
% OLIG2 (Alexa 647) Positive Nuclei Cells	5.148213		
% DAPI (DAPI) Positive Nuclei Cells	100.000000		



% SLC17A7 (Opal 520) Positive Cytoplasm Cells	21.274752	% AKT3 (Opal 620) Positive	94.966606
% OLIG2 (Alexa 647) Positive Cytoplasm Cells	0.079672	AKT3 (Opal 620) H-Score	191.739899
% DAPI (DAPI) Positive Cytoplasm Cells	0.011716	% TMEM119 (Alexa 555) 0+	96.883423
% DAPI/AKT3 Positive Cells	94.966606	% TMEM119 (Alexa 555) 1+	2.115993
% OLIG2/AKT3 Positive Cells	3.835969	% TMEM119 (Alexa 555) 2+	0.749854
% SLC17A7/AKT3 Positive Cells	33.220856	% TMEM119 (Alexa 555) 3+	0.187463
% TMEM119/AKT3 Positive Cells	2.205038	% TMEM119 (Alexa 555) 4+	0.063269
% OLIG2 Positive Cells	4.302285	% TMEM119 (Alexa 555) Positive	3.116579
% SLC17A7 Positive Cells	33.293499	TMEM119 (Alexa 555) H-Score	4.431166
% TMEM119 Positive Cells	2.479203	Total Cell Area (μm <sup>2</sup> )	6235044.000000
SLC17A7 (Opal 520) Avg Positive Nuclei Intensity	2.721838	Avg Cell Area (μm <sup>2</sup> )	146.105301
OLIG2 (Alexa 647) Avg Positive Nuclei Intensity	0.052526	Avg Cytoplasm Area (μm <sup>2</sup> )	111.857979
		Avg Nucleus Area (μm <sup>2</sup> )	34.247326
		Avg Nucleus Perimeter (μm)	25.590794
		Avg Nucleus Roundness	0.789869
		Area Analyzed (μm <sup>2</sup> )	42533052.000000