

HALO™ Analysis Report

Friday, September 15, 2023
02:01:34 PM

Image: HALO_allsections_Round3_AKT3_Star_Fused.tif

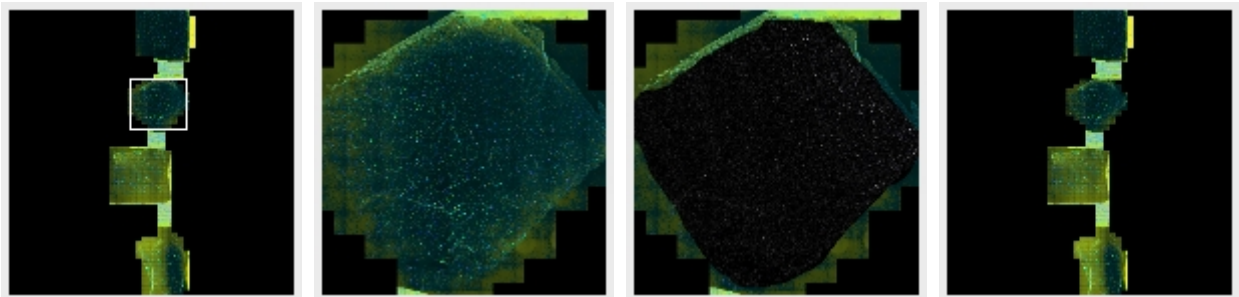
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Star_Cyto_Nuc_Copyintensity_FINAL_R3_SMC2

Analysis Region: Layer 6

Analyzed: Friday, September 15, 2023 2:00 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	38090	DAPI (DAPI) Avg Positive Nuclei Intensity	48.020950
SLC17A7 (Opal 520) Positive Cells	9634	SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity	3.283757
OLIG2 (Alexa 647) Positive Cells	5522	OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity	0.043122
DAPI (DAPI) Positive Cells	38090	DAPI (DAPI) Avg Positive Cytoplasm Intensity	38.046009
SLC17A7 (Opal 520) Positive Nuclei Cells	9610	Total AKT3 (Opal 620) Copies	205842
OLIG2 (Alexa 647) Positive Nuclei Cells	3893	Total TMEM119 (Alexa 555) Copies	5270
DAPI (DAPI) Positive Nuclei Cells	38090	Total AKT3 (Opal 620) Area (µm²)	339402.875000
Negative Nuclei Cells	0	Total TMEM119 (Alexa 555) Area (µm²)	21781.171875
SLC17A7 (Opal 520) Positive Cytoplasm Cells	5340	Avg AKT3 (Opal 620) Copies Per Cell	5.404096
OLIG2 (Alexa 647) Positive Cytoplasm Cells	2506	Avg TMEM119 (Alexa 555) Copies Per Cell	0.138357
DAPI (DAPI) Positive Cytoplasm Cells	2	Avg AKT3 (Opal 620) Area Per Cell (µm²)	8.910550
Negative Cytoplasm Cells	30256	Avg TMEM119 (Alexa 555) Area Per Cell (µm²)	0.571834
DAPI/AKT3 Cells	33863	Avg AKT3 (Opal 620) Cell Intensity	14.060392
OLIG2/AKT3 Cells	3929	Avg TMEM119 (Alexa 555) Cell Intensity	0.040119
SLC17A7/AKT3 Cells	9024	Avg AKT3 (Opal 620) Copies Per µm²	0.005272
TMEM119/AKT3 Cells	1190	Avg TMEM119 (Alexa 555) Copies Per µm²	0.000135
OLIG2 Cells	4653	% AKT3 (Opal 620) 0+	11.097401
SLC17A7 Cells	9080	% AKT3 (Opal 620) 1+	41.638226
TMEM119 Cells	1419	% AKT3 (Opal 620) 2+	30.199528
% SLC17A7 (Opal 520) Positive Cells	25.292728	% AKT3 (Opal 620) 3+	8.802835
% OLIG2 (Alexa 647) Positive Cells	14.497243	% AKT3 (Opal 620) 4+	8.262011
% DAPI (DAPI) Positive Cells	100.000000		
% SLC17A7 (Opal 520) Positive Nuclei Cells	25.229719		
% OLIG2 (Alexa 647) Positive Nuclei Cells	10.220531		
% DAPI (DAPI) Positive Nuclei Cells	100.000000		



% SLC17A7 (Opal 520) Positive Cytoplasm Cells	14.019427	% AKT3 (Opal 620) Positive	88.902596
% OLIG2 (Alexa 647) Positive Cytoplasm Cells	6.579154	AKT3 (Opal 620) H-Score	161.493835
% DAPI (DAPI) Positive Cytoplasm Cells	0.005251	% TMEM119 (Alexa 555) 0+	95.129959
% DAPI/AKT3 Positive Cells	88.902596	% TMEM119 (Alexa 555) 1+	3.575742
% OLIG2/AKT3 Positive Cells	10.315043	% TMEM119 (Alexa 555) 2+	1.157784
% SLC17A7/AKT3 Positive Cells	23.691257	% TMEM119 (Alexa 555) 3+	0.091888
% TMEM119/AKT3 Positive Cells	3.124180	% TMEM119 (Alexa 555) 4+	0.044631
% OLIG2 Positive Cells	12.215805	% TMEM119 (Alexa 555) Positive	4.870045
% SLC17A7 Positive Cells	23.838278	TMEM119 (Alexa 555) H-Score	6.345498
% TMEM119 Positive Cells	3.725387	Total Cell Area (μm^2)	5344952.000000
SLC17A7 (Opal 520) Avg Positive Nuclei Intensity	2.852347	Avg Cell Area (μm^2)	140.324280
OLIG2 (Alexa 647) Avg Positive Nuclei Intensity	0.080216	Avg Cytoplasm Area (μm^2)	109.110596
		Avg Nucleus Area (μm^2)	31.213684
		Avg Nucleus Perimeter (μm)	24.506845
		Avg Nucleus Roundness	0.786328
		Area Analyzed (μm^2)	39046932.000000