

HALO™ Analysis Report

Friday, September 15, 2023
01:48:44 PM

Image: HALO_allsections_round2_AKT3_Star_Fused.tif

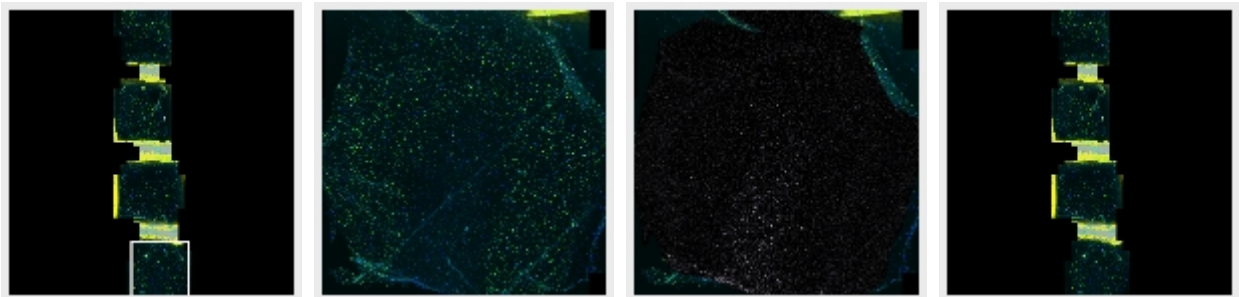
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Star_Cyto_Nuc_Copyintensity_FINAL_R2_SMC4

Analysis Region: Layer 9

Analyzed: Friday, September 15, 2023 1:47 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	54311	DAPI (DAPI) Avg Positive Nuclei Intensity	44.872356
SLC17A7 (Opal 520) Positive Cells	14238	SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity	2.661940
OLIG2 (Alexa 647) Positive Cells	3228	OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity	0.029567
DAPI (DAPI) Positive Cells	54311	DAPI (DAPI) Avg Positive Cytoplasm Intensity	37.198013
SLC17A7 (Opal 520) Positive Nuclei Cells	14181	Total AKT3 (Opal 620) Copies	273417
OLIG2 (Alexa 647) Positive Nuclei Cells	3222	Total TMEM119 (Alexa 555) Copies	7367
DAPI (DAPI) Positive Nuclei Cells	54311	Total AKT3 (Opal 620) Area (µm²)	485332.093750
Negative Nuclei Cells	0	Total TMEM119 (Alexa 555) Area (µm²)	20866.712891
SLC17A7 (Opal 520) Positive Cytoplasm Cells	8082	Avg AKT3 (Opal 620) Copies Per Cell	5.034284
OLIG2 (Alexa 647) Positive Cytoplasm Cells	118	Avg TMEM119 (Alexa 555) Copies Per Cell	0.135645
DAPI (DAPI) Positive Cytoplasm Cells	3	Avg AKT3 (Opal 620) Area Per Cell (µm²)	8.936166
Negative Cytoplasm Cells	46108	Avg TMEM119 (Alexa 555) Area Per Cell (µm²)	0.384208
DAPI/AKT3 Cells	46674	Avg AKT3 (Opal 620) Cell Intensity	18.474371
OLIG2/AKT3 Cells	2224	Avg TMEM119 (Alexa 555) Cell Intensity	0.036860
SLC17A7/AKT3 Cells	13797	Avg AKT3 (Opal 620) Copies Per µm²	0.005617
TMEM119/AKT3 Cells	1615	Avg TMEM119 (Alexa 555) Copies Per µm²	0.000151
OLIG2 Cells	2782	% AKT3 (Opal 620) 0+	14.061608
SLC17A7 Cells	13856	% AKT3 (Opal 620) 1+	41.116901
TMEM119 Cells	2161	% AKT3 (Opal 620) 2+	27.793633
% SLC17A7 (Opal 520) Positive Cells	26.215683	% AKT3 (Opal 620) 3+	10.320193
% OLIG2 (Alexa 647) Positive Cells	5.943547	% AKT3 (Opal 620) 4+	6.707665
% DAPI (DAPI) Positive Cells	100.000000		
% SLC17A7 (Opal 520) Positive Nuclei Cells	26.110733		
% OLIG2 (Alexa 647) Positive Nuclei Cells	5.932500		
% DAPI (DAPI) Positive Nuclei Cells	100.000000		



% SLC17A7 (Opal 520) Positive Cytoplasm Cells	14.880963	% AKT3 (Opal 620) Positive	85.938393
% OLIG2 (Alexa 647) Positive Cytoplasm Cells	0.217267	AKT3 (Opal 620) H-Score	154.495407
% DAPI (DAPI) Positive Cytoplasm Cells	0.005524	% TMEM119 (Alexa 555) 0+	95.544182
% DAPI/AKT3 Positive Cells	85.938393	% TMEM119 (Alexa 555) 1+	3.282944
% OLIG2/AKT3 Positive Cells	4.094935	% TMEM119 (Alexa 555) 2+	0.933513
% SLC17A7/AKT3 Positive Cells	25.403694	% TMEM119 (Alexa 555) 3+	0.171236
% TMEM119/AKT3 Positive Cells	2.973615	% TMEM119 (Alexa 555) 4+	0.068126
% OLIG2 Positive Cells	5.122351	% TMEM119 (Alexa 555) Positive	4.455819
% SLC17A7 Positive Cells	25.512327	TMEM119 (Alexa 555) H-Score	5.936182
% TMEM119 Positive Cells	3.978936	Total Cell Area (μm ²)	7396458.000000
SLC17A7 (Opal 520) Avg Positive Nuclei Intensity	2.640760	Avg Cell Area (μm ²)	136.187103
OLIG2 (Alexa 647) Avg Positive Nuclei Intensity	0.031017	Avg Cytoplasm Area (μm ²)	106.226471
		Avg Nucleus Area (μm ²)	29.960642
		Avg Nucleus Perimeter (μm)	24.147022
		Avg Nucleus Roundness	0.774964
		Area Analyzed (μm ²)	48677776.000000