

HALO™ Analysis Report

Friday, September 15, 2023
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Image: HALO_allsections_Round3_AKT3_Star_Fused.tif

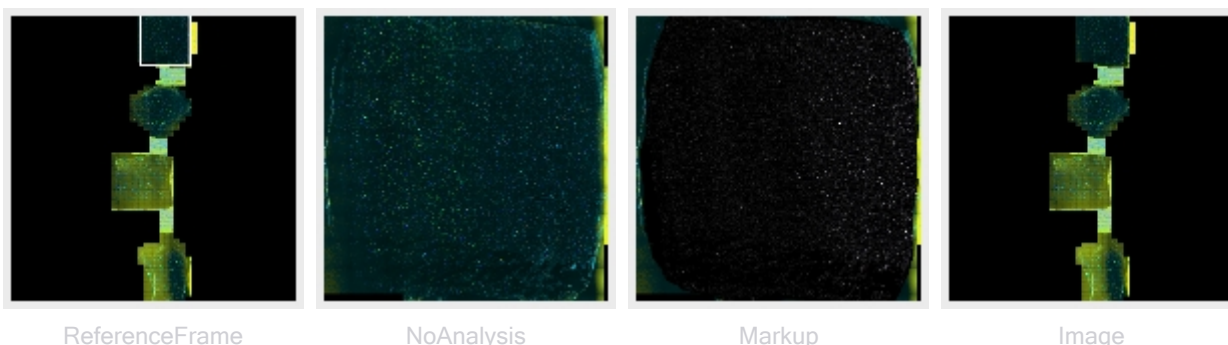
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Star_Cyto_Nuc_Copyintensity_FINAL_R3_SMC2

Analysis Region: Layer 5

Analyzed: Friday, September 15, 2023 1:55 PM

1.



Result Name	Value	Result Name	Value
Total Cells	50069	DAPI (DAPI) Avg Positive Nuclei Intensity	47.958149
SLC17A7 (Opal 520) Positive Cells	9148	SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity	3.120065
OLIG2 (Alexa 647) Positive Cells	6457	OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity	0.047688
DAPI (DAPI) Positive Cells	50069	DAPI (DAPI) Avg Positive Cytoplasm Intensity	0.000000
SLC17A7 (Opal 520) Positive Nuclei Cells	9116	Total AKT3 (Opal 620) Copies	165138
OLIG2 (Alexa 647) Positive Nuclei Cells	6141	Total TMEM119 (Alexa 555) Copies	12915
DAPI (DAPI) Positive Nuclei Cells	50069	Total AKT3 (Opal 620) Area (µm²)	268449.656250
Negative Nuclei Cells	0	Total TMEM119 (Alexa 555) Area (µm²)	46646.445313
SLC17A7 (Opal 520) Positive Cytoplasm Cells	5045	Avg AKT3 (Opal 620) Copies Per Cell	3.298208
OLIG2 (Alexa 647) Positive Cytoplasm Cells	844	Avg TMEM119 (Alexa 555) Copies Per Cell	0.257944
DAPI (DAPI) Positive Cytoplasm Cells	0	Avg AKT3 (Opal 620) Area Per Cell (µm²)	5.361594
Negative Cytoplasm Cells	44185	Avg TMEM119 (Alexa 555) Area Per Cell (µm²)	0.931643
DAPI/AKT3 Cells	37537	Avg AKT3 (Opal 620) Cell Intensity	8.735499
OLIG2/AKT3 Cells	3731	Avg TMEM119 (Alexa 555) Cell Intensity	0.076223
SLC17A7/AKT3 Cells	8588	Avg AKT3 (Opal 620) Copies Per µm²	0.003203
TMEM119/AKT3 Cells	2046	Avg TMEM119 (Alexa 555) Copies Per µm²	0.000251
OLIG2 Cells	5480	% AKT3 (Opal 620) 0+	25.029459
SLC17A7 Cells	8701	% AKT3 (Opal 620) 1+	47.698177
TMEM119 Cells	3175	% AKT3 (Opal 620) 2+	18.031116
% SLC17A7 (Opal 520) Positive Cells	18.270786	% AKT3 (Opal 620) 3+	5.588288
% OLIG2 (Alexa 647) Positive Cells	12.896203	% AKT3 (Opal 620) 4+	3.652959
% DAPI (DAPI) Positive Cells	100.000000		
% SLC17A7 (Opal 520) Positive Nuclei Cells	18.206875		
% OLIG2 (Alexa 647) Positive Nuclei Cells	12.265074		
% DAPI (DAPI) Positive Nuclei Cells	100.000000		



% SLC17A7 (Opal 520) Positive Cytoplasm Cells	10.076095	% AKT3 (Opal 620) Positive	74.970543
% OLIG2 (Alexa 647) Positive Cytoplasm Cells	1.685674	AKT3 (Opal 620) H-Score	115.137108
% DAPI (DAPI) Positive Cytoplasm Cells	0.000000	% TMEM119 (Alexa 555) 0+	92.138847
% DAPI/AKT3 Positive Cells	74.970543	% TMEM119 (Alexa 555) 1+	5.300685
% OLIG2/AKT3 Positive Cells	7.451716	% TMEM119 (Alexa 555) 2+	2.192974
% SLC17A7/AKT3 Positive Cells	17.152330	% TMEM119 (Alexa 555) 3+	0.281611
% TMEM119/AKT3 Positive Cells	4.086361	% TMEM119 (Alexa 555) 4+	0.085881
% OLIG2 Positive Cells	10.944896	% TMEM119 (Alexa 555) Positive	7.861152
% SLC17A7 Positive Cells	17.378017	TMEM119 (Alexa 555) H-Score	10.874992
% TMEM119 Positive Cells	6.341249	Total Cell Area (μm^2)	6509475.500000
SLC17A7 (Opal 520) Avg Positive Nuclei Intensity	2.979511	Avg Cell Area (μm^2)	130.010101
OLIG2 (Alexa 647) Avg Positive Nuclei Intensity	0.080562	Avg Cytoplasm Area (μm^2)	104.395004
		Avg Nucleus Area (μm^2)	25.615097
		Avg Nucleus Perimeter (μm)	22.072332
		Avg Nucleus Roundness	0.790005
		Area Analyzed (μm^2)	51554972.000000