

HALO™ Analysis Report

Friday, September 15, 2023
02:22:17 PM

Image: HALO_allsections_AKT3_Star_Fused.tif

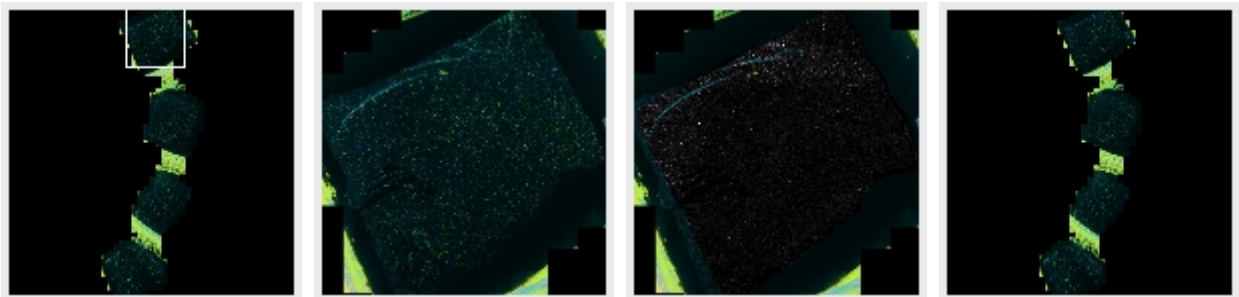
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Star_Cyto_Nuc_Copyintensity_FINAL_R4_SMC2

Analysis Region: Layer 5

Analyzed: Friday, September 15, 2023 2:10 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	47442	DAPI (DAPI) Avg Positive Nuclei Intensity	37.744553
SLC17A7 (Opal 520) Positive Cells	12908	SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity	3.203829
OLIG2 (Alexa 647) Positive Cells	11386	OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity	0.068329
DAPI (DAPI) Positive Cells	47442	DAPI (DAPI) Avg Positive Cytoplasm Intensity	35.062561
SLC17A7 (Opal 520) Positive Nuclei Cells	12890	Total AKT3 (Opal 620) Copies	254294
OLIG2 (Alexa 647) Positive Nuclei Cells	11386	Total TMEM119 (Alexa 555) Copies	24660
DAPI (DAPI) Positive Nuclei Cells	47442	Total AKT3 (Opal 620) Area (µm²)	431233.281250
Negative Nuclei Cells	0	Total TMEM119 (Alexa 555) Area (µm²)	104961.867188
SLC17A7 (Opal 520) Positive Cytoplasm Cells	8077	Avg AKT3 (Opal 620) Copies Per Cell	5.360103
OLIG2 (Alexa 647) Positive Cytoplasm Cells	32	Avg TMEM119 (Alexa 555) Copies Per Cell	0.519793
DAPI (DAPI) Positive Cytoplasm Cells	1	Avg AKT3 (Opal 620) Area Per Cell (µm²)	9.089694
Negative Cytoplasm Cells	39333	Avg TMEM119 (Alexa 555) Area Per Cell (µm²)	2.212425
DAPI/AKT3 Cells	44266	Avg AKT3 (Opal 620) Cell Intensity	16.766605
OLIG2/AKT3 Cells	7708	Avg TMEM119 (Alexa 555) Cell Intensity	0.154136
SLC17A7/AKT3 Cells	11385	Avg AKT3 (Opal 620) Copies Per µm²	0.005964
TMEM119/AKT3 Cells	2987	Avg TMEM119 (Alexa 555) Copies Per µm²	0.000578
OLIG2 Cells	8470	% AKT3 (Opal 620) 0+	6.694490
SLC17A7 Cells	11438	% AKT3 (Opal 620) 1+	42.078751
TMEM119 Cells	3289	% AKT3 (Opal 620) 2+	34.884701
% SLC17A7 (Opal 520) Positive Cells	27.207960	% AKT3 (Opal 620) 3+	10.275705
% OLIG2 (Alexa 647) Positive Cells	23.999832	% AKT3 (Opal 620) 4+	6.066355
% DAPI (DAPI) Positive Cells	100.000000		
% SLC17A7 (Opal 520) Positive Nuclei Cells	27.170017		
% OLIG2 (Alexa 647) Positive Nuclei Cells	23.999832		
% DAPI (DAPI) Positive Nuclei Cells	100.000000		



% SLC17A7 (Opal 520) Positive Cytoplasm Cells	17.025000	% AKT3 (Opal 620) Positive	93.305511
% OLIG2 (Alexa 647) Positive Cytoplasm Cells	0.067451	AKT3 (Opal 620) H-Score	166.940689
% DAPI (DAPI) Positive Cytoplasm Cells	0.002108	% TMEM119 (Alexa 555) 0+	89.418655
% DAPI/AKT3 Positive Cells	93.305511	% TMEM119 (Alexa 555) 1+	6.498461
% OLIG2/AKT3 Positive Cells	16.247208	% TMEM119 (Alexa 555) 2+	2.546267
% SLC17A7/AKT3 Positive Cells	23.997723	% TMEM119 (Alexa 555) 3+	0.849458
% TMEM119/AKT3 Positive Cells	6.296109	% TMEM119 (Alexa 555) 4+	0.687155
% OLIG2 Positive Cells	17.853378	% TMEM119 (Alexa 555) Positive	10.581342
% SLC17A7 Positive Cells	24.109438	TMEM119 (Alexa 555) H-Score	16.887989
% TMEM119 Positive Cells	6.932676	Total Cell Area (μm^2)	6501849.000000
SLC17A7 (Opal 520) Avg Positive Nuclei Intensity	2.809493	Avg Cell Area (μm^2)	137.048370
OLIG2 (Alexa 647) Avg Positive Nuclei Intensity	0.085029	Avg Cytoplasm Area (μm^2)	106.996788
		Avg Nucleus Area (μm^2)	30.051590
		Avg Nucleus Perimeter (μm)	24.041037
		Avg Nucleus Roundness	0.784637
		Area Analyzed (μm^2)	42640108.000000