

HALO™ Analysis Report

Friday, September 15, 2023
03:01:16 PM

Image: HALO_6432P_B1R1_Circle_RESCAN_Fused.tif

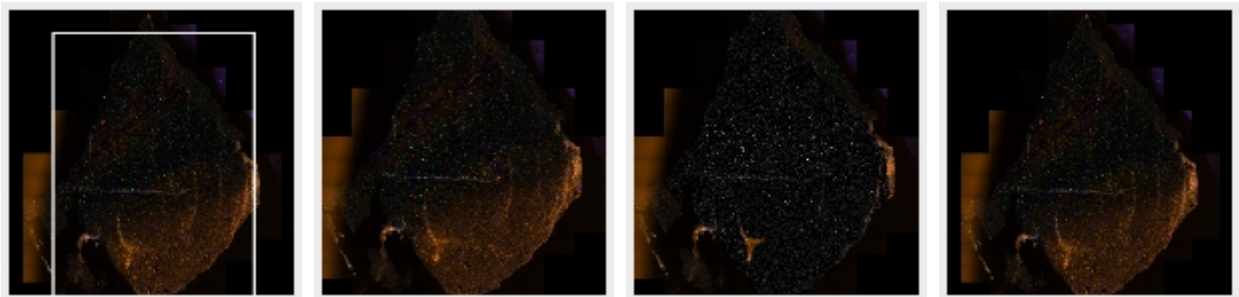
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Circle_Cyto_Nuc_Copyintensity_FINAL_R1_SMC2

Analysis Region: Layer 2

Analyzed: Friday, September 15, 2023 3:00 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	37588	Avg AKT3 (Opal 570) Copies Per Cell	5.587342
GAD1 (Opal 690) Positive Cells	4668	Avg CLDN5 (Alexa 488) Copies Per Cell	2.876876
DAPI (DAPI) Positive Cells	33831	Avg GFAP (Alexa 594) Area Per Cell (µm²)	7.442120
GAD1 (Opal 690) Positive Nuclei Cells	4406	Avg AKT3 (Opal 570) Area Per Cell (µm²)	10.658465
DAPI (DAPI) Positive Nuclei Cells	33831	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	2.483929
Negative Nuclei Cells	3607	Avg GFAP (Alexa 594) Cell Intensity	6.394287
GAD1 (Opal 690) Positive Cytoplasm Cells	3569	Avg AKT3 (Opal 570) Cell Intensity	24.828613
DAPI (DAPI) Positive Cytoplasm Cells	1615	Avg CLDN5 (Alexa 488) Cell Intensity	1.294839
Negative Cytoplasm Cells	32628	Avg GFAP (Alexa 594) Copies Per µm²	0.008085
DAPI/AKT3 Cells	31019	Avg AKT3 (Opal 570) Copies Per µm²	0.007392
GAD1/AKT3 Cells	3069	Avg CLDN5 (Alexa 488) Copies Per µm²	0.003806
GFAP/AKT3 Cells	13556	% GFAP (Alexa 594) 0+	44.460999
CLDN5/AKT3 Cells	2102	% GFAP (Alexa 594) 1+	15.305417
GAD1 Cells	3085	% GFAP (Alexa 594) 2+	18.532511
GFAP Cells	15378	% GFAP (Alexa 594) 3+	9.564222
CLDN5 Cells	2268	% GFAP (Alexa 594) 4+	12.136852
% GAD1 (Opal 690) Positive Cells	12.418857	% GFAP (Alexa 594) Positive	55.539001
% DAPI (DAPI) Positive Cells	90.004791	GFAP (Alexa 594) H-Score	129.610519
% GAD1 (Opal 690) Positive Nuclei Cells	11.721827	% AKT3 (Opal 570) 0+	9.718527
% DAPI (DAPI) Positive Nuclei Cells	90.004791	% AKT3 (Opal 570) 1+	38.852825
% GAD1 (Opal 690) Positive Cytoplasm Cells	9.495051	% AKT3 (Opal 570) 2+	33.398956
% DAPI (DAPI) Positive Cytoplasm Cells	4.296584	% AKT3 (Opal 570) 3+	10.649675
% DAPI/AKT3 Positive Cells	82.523674	% AKT3 (Opal 570) 4+	7.380015
% GAD1/AKT3 Positive Cells	8.164840	% AKT3 (Opal 570) Positive	90.281471
% GFAP/AKT3 Positive Cells	36.064701	AKT3 (Opal 570) H-Score	167.119827
% CLDN5/AKT3 Positive Cells	5.592210		
% GAD1 Positive Cells	8.207407		
% GFAP Positive Cells	40.911995		



% CLDN5 Positive Cells	6.033841	% CLDN5 (Alexa 488) 0+	93.662872
GAD1 (Opal 690) Avg Positive Nuclei Intensity	3.107931	% CLDN5 (Alexa 488) 1+	0.000000
DAPI (DAPI) Avg Positive Nuclei Intensity	40.481663	% CLDN5 (Alexa 488) 2+	0.047888
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	2.043738	% CLDN5 (Alexa 488) 3+	0.824731
DAPI (DAPI) Avg Positive Cytoplasm Intensity	15.778309	% CLDN5 (Alexa 488) 4+	5.464510
Total GFAP (Alexa 594) Copies	229700	% CLDN5 (Alexa 488) Positive	6.337129
Total AKT3 (Opal 570) Copies	210017	CLDN5 (Alexa 488) H-Score	24.428009
Total CLDN5 (Alexa 488) Copies	108136	Total Cell Area (μm^2)	5437380.500000
Total GFAP (Alexa 594) Area (μm^2)	279734.406250	Avg Cell Area (μm^2)	144.657349
Total AKT3 (Opal 570) Area (μm^2)	400630.375000	Avg Cytoplasm Area (μm^2)	110.430244
Total CLDN5 (Alexa 488) Area (μm^2)	93365.937500	Avg Nucleus Area (μm^2)	34.227097
Avg GFAP (Alexa 594) Copies Per Cell	6.110993	Avg Nucleus Perimeter (μm)	25.924021
		Avg Nucleus Roundness	0.768558
		Area Analyzed (μm^2)	28412004.000000