

# HALO™ Analysis Report

Friday, September 15, 2023  
03:15:12 PM

**Image:** HALO\_B1\_R5\_Circle\_Br8325A\_Fused.tif

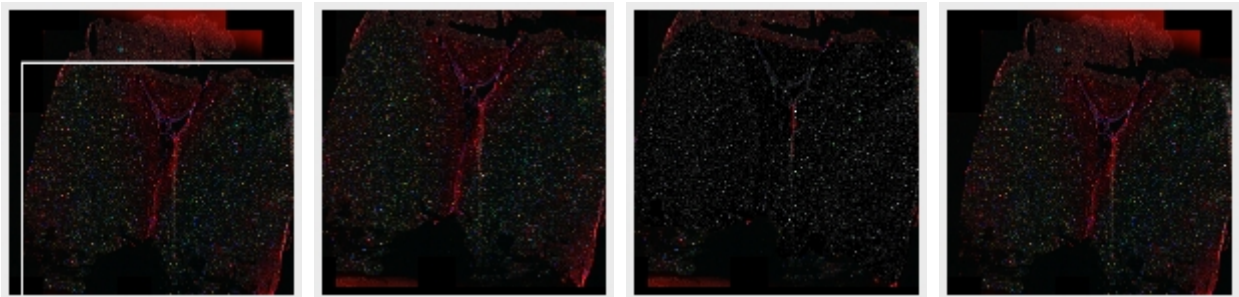
**Algorithm:** Indica Labs - FISH-IF v2.1.5

**Setting:** Decon\_AKT3\_Circle\_Cyto\_Nuc\_Copyintensity\_FINAL\_R5\_SMC2

**Analysis Region:** Layer 3

**Analyzed:** Friday, September 15, 2023 3:14 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	30070	Avg AKT3 (Opal 570) Copies Per Cell	7.229365
GAD1 (Opal 690) Positive Cells	5002	Avg CLDN5 (Alexa 488) Copies Per Cell	3.984403
DAPI (DAPI) Positive Cells	28860	Avg GFAP (Alexa 594) Area Per Cell (µm²)	2.583052
GAD1 (Opal 690) Positive Nuclei Cells	4730	Avg AKT3 (Opal 570) Area Per Cell (µm²)	15.852817
DAPI (DAPI) Positive Nuclei Cells	28860	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	3.426305
Negative Nuclei Cells	1097	Avg GFAP (Alexa 594) Cell Intensity	1.541095
GAD1 (Opal 690) Positive Cytoplasm Cells	4157	Avg AKT3 (Opal 570) Cell Intensity	42.361290
DAPI (DAPI) Positive Cytoplasm Cells	791	Avg CLDN5 (Alexa 488) Cell Intensity	1.792757
Negative Cytoplasm Cells	25175	Avg GFAP (Alexa 594) Copies Per µm²	0.001934
DAPI/AKT3 Cells	27337	Avg AKT3 (Opal 570) Copies Per µm²	0.007913
GAD1/AKT3 Cells	4189	Avg CLDN5 (Alexa 488) Copies Per µm²	0.004361
GFAP/AKT3 Cells	4200	% GFAP (Alexa 594) 0+	78.879280
CLDN5/AKT3 Cells	2523	% GFAP (Alexa 594) 1+	10.751579
GAD1 Cells	4203	% GFAP (Alexa 594) 2+	4.699036
GFAP Cells	4761	% GFAP (Alexa 594) 3+	1.948786
CLDN5 Cells	2633	% GFAP (Alexa 594) 4+	3.721317
% GAD1 (Opal 690) Positive Cells	16.634520	% GFAP (Alexa 594) Positive GFAP (Alexa 594) H-Score	40.881275
% DAPI (DAPI) Positive Cells	95.976059	% AKT3 (Opal 570) 0+	5.613568
% GAD1 (Opal 690) Positive Nuclei Cells	15.729963	% AKT3 (Opal 570) 1+	25.533754
% DAPI (DAPI) Positive Nuclei Cells	95.976059	% AKT3 (Opal 570) 2+	42.580647
% GAD1 (Opal 690) Positive Cytoplasm Cells	13.824409	% AKT3 (Opal 570) 3+	15.829731
% DAPI (DAPI) Positive Cytoplasm Cells	2.630529	% AKT3 (Opal 570) 4+	10.442302
% DAPI/AKT3 Positive Cells	90.911209	% AKT3 (Opal 570) Positive	94.386429
% GAD1/AKT3 Positive Cells	13.930828	AKT3 (Opal 570) H-Score	199.953445
% GFAP/AKT3 Positive Cells	13.967409		
% CLDN5/AKT3 Positive Cells	8.390423		
% GAD1 Positive Cells	13.977386		
% GFAP Positive Cells	15.833056		



% CLDN5 Positive Cells	8.756235	% CLDN5 (Alexa 488) 0+	90.881279
GAD1 (Opal 690) Avg Positive Nuclei Intensity	6.477029	% CLDN5 (Alexa 488) 1+	0.000000
DAPI (DAPI) Avg Positive Nuclei Intensity	43.317558	% CLDN5 (Alexa 488) 2+	0.036581
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.504926	% CLDN5 (Alexa 488) 3+	0.984370
DAPI (DAPI) Avg Positive Cytoplasm Intensity	15.831007	% CLDN5 (Alexa 488) 4+	8.097772
Total GFAP (Alexa 594) Copies	53138	% CLDN5 (Alexa 488) Positive	9.118723
Total AKT3 (Opal 570) Copies	217387	CLDN5 (Alexa 488) H-Score	35.417358
Total CLDN5 (Alexa 488) Copies	119811	Total Cell Area ( $\mu\text{m}^2$ )	4403675.500000
Total GFAP (Alexa 594) Area ( $\mu\text{m}^2$ )	77672.382813	Avg Cell Area ( $\mu\text{m}^2$ )	146.447479
Total AKT3 (Opal 570) Area ( $\mu\text{m}^2$ )	476694.187500	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	112.410545
Total CLDN5 (Alexa 488) Area ( $\mu\text{m}^2$ )	103029.000000	Avg Nucleus Area ( $\mu\text{m}^2$ )	34.036930
Avg GFAP (Alexa 594) Copies Per Cell	1.767143	Avg Nucleus Perimeter ( $\mu\text{m}$ )	25.862617
		Avg Nucleus Roundness	0.768664
		Area Analyzed ( $\mu\text{m}^2$ )	27472744.000000