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ZSGreen x TH Colocalization Analysis

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Protocol status: Working

We use this protocol and it's working

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Abstract

Colocalization analysis of TH and ZSGreen using immunohistochemistry



- 1 Identify and draw subregion borders on the image in Zen.
- 2 Going subregion at a time, use the event tool in Zen software to mark cells in which ZSGreen signal appears to be present in at least 50% of the cell as ZSGreen positive. ZSGreen signal should also be associated with a single nuclei shown with DAPI.
- 3 If a cell is on the border of a region the cell should be counted toward the region which contains at least 50% of the cell.
- 4 After identifying ZSGreen positive cells, use the event tool to mark any cells expressing TH and ZSGreen in a similar shape as double positive.
- 5 Counts are organized and percentages are calculated using Microsoft excel.