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## Sep 30, 2020

## © FISH and antibody staining

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1 Works for me

This protocol is published without a DOI.

Zhang Xue



**ABSTRACT** 

PROTOCOL CITATION

M 2020. FISH and antibody staining. **protocols.io** 

https://protocols.io/view/fish-and-antibody-staining-bmurk6v6

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CREATED

Sep 29, 2020

LAST MODIFIED

Sep 30, 2020

PROTOCOL INTEGER ID

42609

ABSTRACT

BEFORE STARTING

Day1

- 1 MM75%MetOH+25%PBT 1ml shake for 5min ( **00:05:00**
- 2 50%MetOH+50%PBT 5min **© 00:05:00**
- 3 25%MetOH+75%PBT 5min ( 00:05:00
- 4 100%PBT 5min 1/4 © 00:05:00



- 5 100%PBT 5min 2/4 © 00:05:00
- 6 100%PBT 5min 3/4 © **00:05:00**
- 7 100%PBT 5min 4/4 © **00:05:00**
- 8 MMProteinase K: PBT = 1 : 2000 (MM5µg/mlM5min © **00:05:00**
- 9 MMM4%PFA 20min



**© 00:20:00** 

- 10 1×PT 20min 1/3 © 00:20:00
- 11 1×PT 20min 2/3 © 00:20:00
- 12 1×PT 20min 3/3 © 00:20:00
- 13 1×PBT 5min 1/4 © 00:05:00
- 14 1×PBT 5min 2/4 © 00:05:00
- 15 1×PBT 5min 3/4 © 00:05:00
- 16 1×PBT 5min 4/4 © 00:05:00

 $\texttt{MMMM500}\mu \textbf{I} \ \textbf{Hybe} \ \textbf{buffer} \\ \texttt{MMMMMMM2-5hmmmmmm} (63-68.5^{\circ}\text{C}), \\ \texttt{MMMMMMMMMMMMMMM} \\ \textcircled{\textbf{03:00:00}}$ 18 MM6µl probe+200µl Hybe buffer №65°Covernight § 65°C Day2 19 20 Hybe buffer 10min © 00:10:00 21 75% Hybe buffer+25% 2×SSCT 10min **© 00:10:00** 22 50%Hybe buffer+50% 2×SSCT 10min © 00:10:00 23 25%Hybe buffer+75% 2×SSCT 10min © 00:10:00 2×SSCT 10min © 00:10:00 0.2×SSCT 15min 1/4 © 00:15:00 26 0.2×SSCT 15min 2/4 © 00:15:00 0.2×SSCT 15min 3/4 © 00:15:00

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0.2×SSCT 15min 4/4 © 00:15:00

30 50% 0.2× SSCT+50%MABt 5min © 00:05:00 31 25%0.2×SSCT+75%MABt 5min © 00:05:00 32 MABt 5min (> 00:05:00 33 **8** Room temperature Anti-Dig-POD 1:1000 $\mbox{1:}1000\mbox{1:}200\mbox{\mu}\mbox{1:}4^{\circ}\mbox{C}$ MMin situMMMAnti-Dig-POD Day3 35 36 1×MABt 15min 1/8 © 00:15:00 37 1×MABt 15min 2/8 © 00:15:00 38 1×MABt 15min 3/8 © 00:15:00 1×MABt 15min 4/8 © 00:15:00 40 1×MABt 15min 5/8 © 00:15:00

41 1×MABt 15min 6/8 © 00:15:00 42 1×MABt 15min 7/8 © 00:15:00 43 1×MABt 15min 8/8 © 00:15:00 PT 20min 1/3 © 00:20:00 45 PT 20min 2/3 © **00:20:00** 46 PT 20min 3/3 © 00:20:00 PBS 5min 1/2 © 00:05:00 48 PBS 5min 2/2 © 00:05:00 49 Day4 50 51 PT 20min 1/8 © 00:20:00 52 PT 20min 2/8 © 00:20:00

53 PT 20min 3/8 © 00:20:00 PT 20min 4/8 © 00:20:00 55 PT 20min 5/8 © 00:20:00 56 PT 20min 6/8 © 00:20:00 57 PT 20min 7/8 © 00:20:00 58 PT 20min 8/8 © 00:20:00 59 +blocking PBTN 500μlM4°CMM2h & 4 °C © 02:00:00 □500 μl +MMMM:PBTN=1:1000M100µM4°CMMMM Dendra2MRabbit-anti-Dendra2M KaedaMRabbit-anti-kaeda M McherryMMouse-anti-60 ΔΜΜΜΜ **100 μl** 8 4 °C Day5 61 62 PT 20min 1/8 © 00:20:00 63 PT 20min 2/8 © 00:20:00 64 PT 20min 3/8 © **00:20:00** 65 PT 20min 4/8 © 00:20:00

66 PT 20min 5/8 © 00:20:00 PT 20min 6/8 © 00:20:00 68 PT 20min 7/8 © **00:20:00** 69 PT 20min 8/8MMMMMMMMMMMPBTN blocking (© 00:20:00 70 **⊒200 μl 8 4 °C** Day6 71 72 PT 20min 1/8 © 00:20:00 PT 20min 2/8 © 00:20:00 PT 20min 3/8 © 00:20:00 75 PT 20min 4/8 © **00:20:00** 76 PT 20min 5/8 © 00:20:00 PT 20min 6/8 © 00:20:00 78 PT 20min 7/8 © 00:20:00

- 79 PT 20min 8/8 © 00:20:00