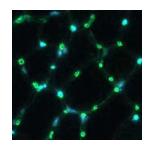


Jun 05, 2024 Version 2

Twist2 Snap Frozen Skeletal Muscle IF V.2

This protocol is a draft, published without a DOI.



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Protocol status: Working
We use this protocol and it's
working

Created: May 18, 2024

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Keywords: if, ihc, twist2, skeletal muscle, muscle

Abstract

This protocol details Twist2 immunofluorescent staining of fresh frozen mouse skeletal muscle.

Image Attribution

Representative Twist2 stain in skeletal muscle. Griffen Wakelin. June 1st, 2024. Dalhousie University.

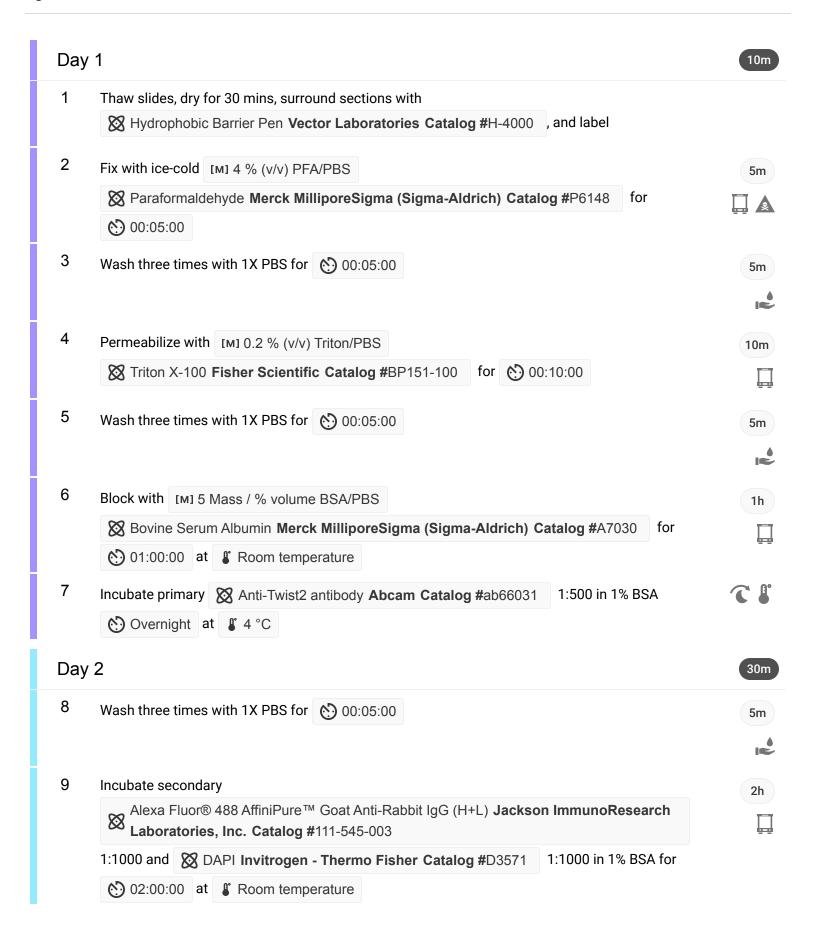


Protocol materials

Alexa Fluor® 488 AffiniPure™ Goat Anti-Rabbit IgG (H L) **Jackson ImmunoResearch Laboratories**, Inc. Catalog #111-545-003 Step 9 Anti-Twist2 antibody Abcam Catalog #ab66031 Bovine Serum Albumin Merck MilliporeSigma (Sigma-Aldrich) Catalog #A7030 Triton X-100 Fisher Scientific Catalog #BP151-100 Step 4 Paraformaldehyde Merck MilliporeSigma (Sigma-Aldrich) Catalog #P6148 Mydrophobic Barrier Pen Vector Laboratories Catalog #H-4000

Before start

Collect fresh muscle according to institution-specific guidelines and snap freeze in liquid nitrogen-cooled 2-methylbutane. The Twist2 stain does not work on PFA-fixed muscle without antigen retrieval.





10 Wash three times with 1X PBS for 00:05:00



5m



11 Mount with aqueous mounting media such as

> Fluoromount Merck MilliporeSigma (Sigma-Aldrich) Catalog #F4680 . Image within 2 days.