For Research Use Only

Spot-Label® ATTO594

www.ptgcn.com

Catalog Number: eba594

3 Publications

Basic Information

Catalog Number:
eba594

Applications:
IF

Host:
Alpaca

Conjugate:
ATTO 594

Type :
Nanobody

Class:
Recombinant

RRID:
AB_2827570

Description

anti-Spot-Tag® VHH/ Nanobody conjugated to fluorescent dye for immunofluorescence, microscopy, and immunoblotting of Spot-tagged proteins

Specificity/Target

Spot-Tag® (PDRVRAVSHWSS)

Physical State

Liquid

Suggested Dilution

IF: 1:1,000

Affinity (K_D)

Dissociation constant K_D of 6 nM

Storage

Storage:
Shipped at ambient temperature. Upon receipt store at +4°C. Stable for 6 month. Do not freeze. Protect from light.

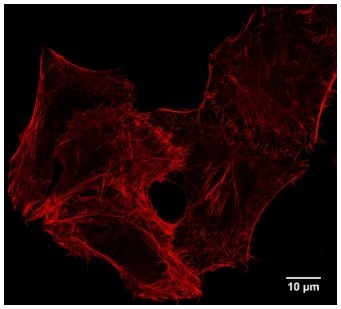
Storage Buffer:
1x PBS, 0.09% sodium azide

For technical support and original validation data for this product please contact:

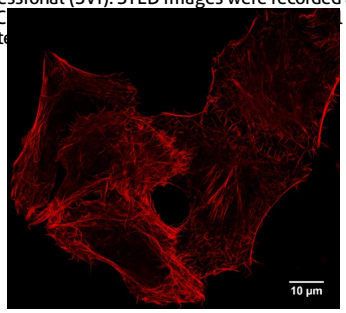
T: 4006900926

E: Proteintech-CN@ptglab.com
W: www.ptgcn.com

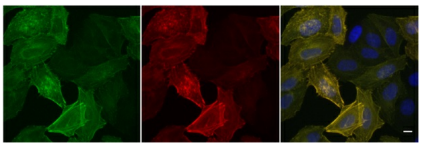
Selected Validation Data



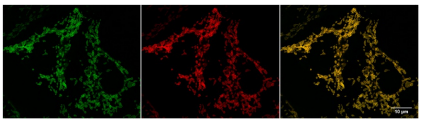
STED: IF of Spot-tagged Actin-Chromobody with Spot-Label Atto594 bivalent (1:1,000). Gated STED images were acquired with a Leica TCS SP8 STED 3X microscope with pulsed White Light Laser excitation at 590 nm and pulsed depletion with a 775 nm laser. Objective: 100x Oil STED White, NA: 1.4. Pixel size: 21 x 21 nm; z-Step size of z-Stacks: 0.16 µm. Images were deconvolved with Huygens Professional (SVI). STED images were recorded at the C Cente



Confocal images of HeLa cells expressing Tom70-EGFP-Spot-Tag immunostained with Spot-Label ATTO594 bivalent (1:1,000). Left: EGFP fluorescence, middle: ATTO594 signal, right: merge. Scale bar, 10 µm. The images were acquired with Leica TCS SP8 microscope, 100X oil objective, at the Core Facility Bioimaging at the Biomedical Center, LMU Munich, and deconvolved with Huygens Professional (SVI). Left: GFP fluorescence, middle: ATTO594 signal, right: merge. Scale bar, 10 µm.



Application of Spot-tag related products.



Widefield images of HeLa cells expressing Tom70-EGFP-Spot-Tag immunostained with Spot-Label ATTO594, bivalent (1:5,000). Left: GFP channel, middle: channel for ATTO594, right: overlay, also with DAPI. Scale bar, 10 µm.