

Catalog Number: tba488

6 Publications

Basic Information

Catalog Number:
tba488**Applications:**
IF, ICC**Host:**
Alpaca**Conjugate:**
ATTO 488**Type :**

Nanobody

Class:

Recombinant

RRID:

AB_2827588

Description

Histone-Label* is a fluorescent chromatin probe for direct staining of chromosomes and nuclei. It consists of an anti-histone VHH conjugated to the fluorescent dye ATTO488. For IF, microscopy of histones, chromosomes, and nuclei.

Specificity/Target

Histone-Label immunostains chromatin throughout the cell cycle (interphase chromatin, chromatin condensation and mitotic chromosomes) due to specific binding to histone H2A-H2B heterodimers.

Physical State

Liquid

Suggested Dilution

IF/ICC: 1:400

Storage

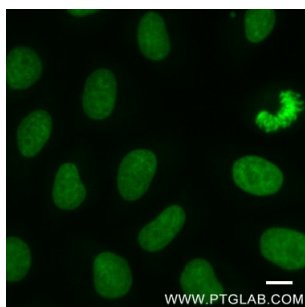
Storage:

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

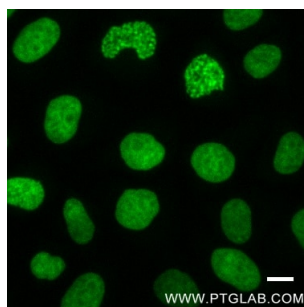
Storage Buffer:

1x PBS, 0.09% sodium azide.

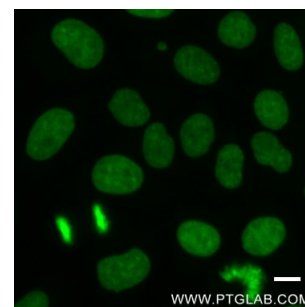
Selected Validation Data



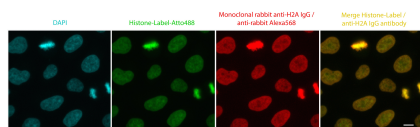
HeLa cells immunostained with Histone-Label-ATTO488, 1:400. Scale bar, 10 μ m.



HeLa cells immunostained with Histone-Label-ATTO488, 1:400. Scale bar, 10 μ m.



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ChromoTek Histone-Label is a convenient, ready to use, and high-performing chromatin staining probe with low background levels and that differentiates between euchromatin and heterochromatin. HeLa cells stained in parallel with Histone-Label (1.25 mg/L) and a monoclonal rabbit anti-H2A IgG / anti-rabbit Alexa568 secondary antibody. Histone-Label co-localizes with conventional antibody staining, however Histone-Label better penetrates into the compactly packed nuclei than the anti-H2A IgG and secondary IgGs, which are one order of magnitude larger than the Histone-Label: see more green signal from Histone-Label at center of nuclei and more red signal from anti-H2A IgG on surface/edge of nuclei of merge image on very right.