HeLa mCherry-Histone H2B EGFP-Alpha Tubulin Cell Line

Catalogue number: 152987
Sub-type: Continuous
Images:

Contributor

Inventor: Francis Barr
Institute: University of Liverpool
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: HeLa mCherry-Histone H2B EGFP-Alpha Tubulin Cell Line

Alternate name:

Class:
Conjugate:
Description: The human histone H2B gene was fused to the gene encoding mCherry and Alpha Tubulin was similarly fused to EGFP. Both constructs were transfected into human HeLa cells to generate a stable line constitutively expressing H2B-mCherry and EGFP-Alpha Tubulin. The mCherry-Histone H2B fusion protein was incorporated into nucleosomes without affecting cell cycle progression. The cell line allows high-resolution imaging of both mitotic chromosomes and interphase chromatin.
Purpose:
Parental cell: HeLa
Organism: Human
Tissue: Cervix
Model: Reporter
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:

Formulation:
Recommended controls: HeLa parental line
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Histone H2B, Alpha Tubulin

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium: DMEM, 10% FBS, 5% CO2, 37??Â°C. Antibiotic selection for GFP and mCherry expression: 1?g/mL Puromycin, 2?g/mL Blasticidine, expression is quite stable but selecting at least every two passages is recommended.
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry ice

Related tools

Related tools: HeLa EGFP-Histone H2B Cell Line

References

References: Bell et al. 2007. J Clin Invest. 117(4):1008-18. PMID: 17347683. ; A p53-derived apoptotic peptide derepresses p73 to cause tumor regression in vivo.