

Anticorps Monoclonal anti-Histone H3

Numéro de catalogue: **CL488-68345**

Informations de base

Numéro de catalogue:	Numéro d'acquisition GenBank:	Méthode de purification:
CL488-68345	BC066245	Purification par protéine A
Taille:	Identification du gène (NCBI):	CloneNo.:
100ul , Concentration: 1000 µg/ml by Nanodrop;	8350	1A2A3
Hôte:	Nom complet:	Dilutions recommandées:
Mouse	histone cluster 1, H3a	IF 1:50-1:500
Isotype:	MW observés:	Excitation/Emission maxima wavelengths:
IgG2b	15 kDa	493 nm / 522 nm

Applications

Applications testées:	Contrôles positifs:
FC (Intra), IF	IF : cellules HeLa,
Spécificité de l'espèce:	
Humain, poisson-zèbre, poulet, rat, souris, wheat	

Informations générales

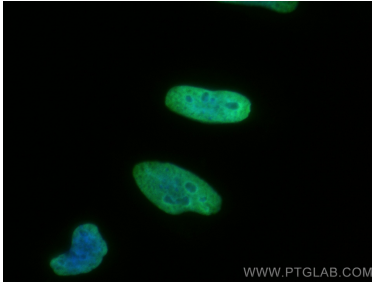
Histones are small, highly basic proteins that consist of a globular domain with unstructured N- and C-terminal tails protruding from the main structure. Histone H3 is one of the five main histones that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. In addition to their role in DNA compartmentalization, histones also play crucial roles in various biologic processes, including gene expression and regulation, DNA repair, chromatin condensation, cell cycle progression, chromosome segregation, and apoptosis. The ability of histones to regulate chromatin dynamics primarily originates from various posttranslational modifications carried out by histone-modifying enzymes.

Stockage

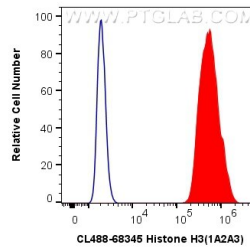
Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 Histone H3 antibody (CL488-68345, Clone: 1A2A3) at dilution of 1:200.



1×10^6 HepG2 cells were intracellularly stained with 0.8 μ g CoraLite® Plus 488 Anti-Human Histone H3 (CL488-68345, Clone:1A2A3) (red), or 0.8 μ g CoraLite® Plus 488 Mouse IgG2b Isotype Control (MPC-11) (CL488-65128, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).