À des fins de recherche uniquement

Anticorps Monoclonal anti-BrdU

Numéro de catalogue:66241-1-Ig 62 Publications

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
66241-1-Ig

Taille:
150ul , Concentration: 1000 μg/ml by Nanodrop and 485 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG2a

Numéro d'acquisition GenBank:

Identification du gène (NCBI):

Nom complet:

Méthode de purification:
Purification par protéine A

CloneNo.:
1B10E12

Dilutions recommandées:
IHC 1:200-1:1000
IF 1:150-1:600

Applications

Applications testées:
IF, IHC, ELISA

Demandes citées:
FC, IF, IHC

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, poisson-zèbre, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

IHC : tissu splénique de souris,

IF : cellules HeLa, cellules L-929

Informations générales

Bromodeoxyuridine (5-bromo-2'-deoxyuridine, BrdU, BUdR, BrdUrd) is a synthetic nucleoside that is an analog of thymidine. It can be incorporated into the newly synthesized DNA of replicating cells (during the S phase of the cell cycle), substituting for thymidine during DNA replication. As such, BrdU is used for birth dating and monitoring cell proliferation. BrdU is a toxic and mutagenic substance. It triggers cell death, the formation of teratomas, alters DNA stability, lengthens the cell cycle, and has 0mitogenic, transcriptional and translational effects on cells that incorporate it. This antibody does not cross react with Thymidine.

Protocol for IHC:
https://www.ptgcn.com/protocol/66241-1-IgIHC.pdf

Protocol for IF:
https://www.ptgcn.com/protocol/66241-1-IgIF.pdf

Publications notables

Autrice	Pubmed ID	Journal	Application
Pingping Zhu	30224759	Nat Cell Biol	IHC,IF
Yang Liu	34481025	J Control Release	IF
Yusuke Matsuno	31477700	Nat Commun	IF

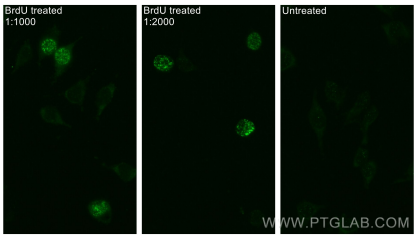
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

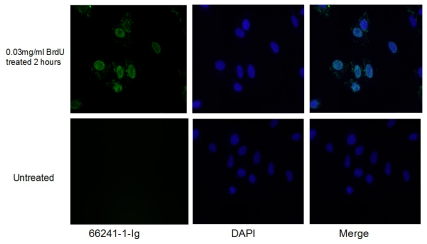
*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

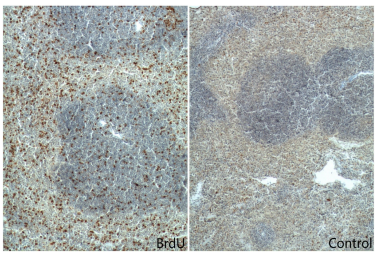
Données de validation sélectionnées



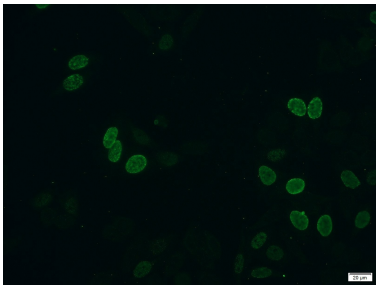
Immunofluorescent analysis of (-20°C Ethanol) fixed L-929 cells using BrdU antibody (66241-1-Ig, Clone: 1B10E12) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 66241-1-Ig (BrdU antibody) at dilution of 1:300 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide (with/without BrdU feeding) using 66241-1-Ig (BrDu Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells (treated with 0.03 mg/ml BrdU for 2 hours) using 66241-1-Ig(BrdU antibody) at dilution of 1:300 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).